F636 1897-98

REPORT

OF THE

COMMISSIONER OF AGRICULTURE

... OF THE ...

STATE OF FLORIDA

FOR THE PERIOD

Beginning January 1, 1897, and ending December 31, 1898.



TALLAHASSEE, FLA.: TALLAHASSEEAN BOOK AND JOB PRINT. 1899.

REPORT

OF THE

Commissioner of Agriculture.

TALLAHASSEE, FLA., January 1st, 1899.

To His Excellency, W. D. BLOXHAM, Governor of the State of Florida:

SIR—I have the honor to submit my report as Commissioner of Agriculture for the years of 1897 and 1898.

LANDS.

Report of Salesman of State Lands:

SWAMP LANDS.

Since the first day of January, 1897, the following Patents for Swamp Lands have been received from the United States, to-wit:

Patent 1	No. 116—Ga	inesville Dis	trict	841.25
**	117	"		160.00
46	118	"		351,240.00
"	119	"		724.32
"	120	"		12,922.44
44	121	4		372.38
46	122	"		278.25
"	123	"		377.87
Total				366,916.51
Quantity of Cor	y previously nmissioner o	patented, as f January 1,	shown by report 18971	6,734,852.19
Making	total patents	received	1	7,101,768.70

The quantity disposed of prior to Jan. 1, 1897, as shown by last		
report of Commissioner1	5,618,840.33	
Amount entered by S. I Wailes on his account as State agent in		
1897 and 1898	4,276.69	
Amount conveyed to Railroads		
and Canals in 1897	431,995.26	
Amount conveyed and charged to		
Railroads and Canals in 1898	615,461.05	
Amount sold in 1897	6,311.52	
Amount sold in 1898	2,819.03	
Total disposed of up to Janu-		
ary 1, 1899		16,679,703.88
Leaving balance on hand January 1, 1899		422,064.82

List of Swamp Lands Sold, Including Lands Sold under the Provisions of Section 436, Revised Statutes, at 25c per Acre, During the year 1897.

No. Entry	Acres.	Amount.	No. Entry.	Acres.	Amount
15,242	40.00	\$ 10 00	15,286	39.96	\$ 9 99
15,246	40.00	10 00		80.00	20 00
15,247	40.12	10 03		53.23	
15,248	95.60	23 90		68.90	17 28
15,249	80.11	20 03		80.91	20 28
15,250	80.25	20 06		40.00	10 00
15,251	39.97	9 99		40.00	10 00
15,252	8.00	8 00		40.02	10 00
15,253	39.97	9 99		40.00	10 00
15,254	75,92	18 98		80.00	20 00
15,255	78.97	19 74		40.00	10 00
15,256	77.70	19 48		39.98	10 00
15,257	71.00	17 75		80.00	20 00
15,258	71.40	17 85		80.00	20 00
15,259	88.74	22 19		57.08	14 2'
15,260	78.30	19 58	15,305	40.00	10 00
15,261	98.84	24 71		40.06	10 0:
15,262	79.00	19 75	15,310	10.00	2 5
15,263	63.35	15 84	15,311	19.50	4 8
15,264	74.02	18.50	15,312	40.00	10 00
15,265	86.65			16.80	4 20
15,266	85.42			30.00	30 0
15,268	25.75		15,317	70.50	17 6
15,269	40.05			73.95	18 4
15,270	40.15	10 04	15,319	78.80	19 70
15,271	69.00	17 25	15,320	81.75	20 4
15,272	41.70		15,321	65.86	16 4
15,273	32.20	8 05	15,322	71.54	17 8
15,276	79.96			62.55	15 6
15,277	40.20	10 05		26.82	6 7
15,278	420.00	252 00		80.00	
15,279	88.19			39.97	10 0
15,280	71.00	AG1150 C009		80.00	20 0
15,281	39.96			80.00	20 0
15,284	396.70			40.00	
15,285	40.06	10 01	15,335	89.94	9 9

6

List of Swamp Lands-Continued.

No	o. Entry	Acres.	Amout	nt.	No.	Entry.	Acres.	Amo	unt.
	15,336	40.00	\$10	00		15,353	80.00	\$ 20	00
	15,337	40.00	000000000000000000000000000000000000000	00		15,356	40.45	10000	
	15,338	39.96	100	99		15,359	80.56		
	15,339	39.78	577	95		15,360	40.08	1757	
	15,340	86.58	1 200	65		15,365	39.79	733	
	15,341	78.08		52	N. B.	15,368	80.03	333	1 1500
1	15,343	40.09	10	02		15,369	10.05	10	05
	15,344	39.76	9	94		15,370	40.16	10	04
	15,345	40.02	10	00		15,373	40.00	10	00
	15,346	112.00	28	00	-	15,374	40.02	10	00
	15,347	40.28	10	07		15,378	40.08	10	02
	15,348	39.88	9	97		15,379	40.09	10	02
	15,350	40.10	10	02		15,380	40.10	10	02
	15,352	79.78	19	95		15,381	47.43	11	86
					Tot	al 1897	6,311.52	\$1,93	3 98

List of Swamp Lands Sold, Including Lands Sold under the Provisions of Section 436, Revised Statutes, at 25c per Acre, During the year 1898.

No. Entry	Entry Acres. A		nount.		Entry.	Acres.	Amount.		
15,383	40.00	\$ 10	60		15,414	39.80	ů.	9	95
15,384	40.05	10	01		15,415	85.90	10.00	21	48
15,385	39.92		98		15,416	71.70		17	92
15,386	80.12		03		15,417	80.13	b) = 0	20	08
15,387	40.08	10	02		15,418	80.31		20	08
15,388	39.91	9	98		15,422	80.25	111	20	06
15,389	40.00	17 1000	00		15,423	113.00	1 14 545	13	00
15,390	80.00	20	00		15,426	40.01		10	01
15,396	40.00	1	00		15,434	63,55	1	15	89
15,401	80.00		00		15,435	80.00	-	20	00
15,402	80.29	U. 155555 VI	07	2 -	15,437	81.46		20	37
15,403	80.29	20	07		15,438	81.46		20	37
15,404	39.83	. 9	95	10 4	15,439	81.46		20	37
15,405	40.00	10	00		15,443	40.00		10	00
15,406	40.00	10	00	2116	15,445	80.00	9	20	06
15,407	40.25	10	06	1.3 4	15,447	80.49		20	19
15,408	40.09	10	02		15,448	80.49		20	12
15,409	115.00	28	75		15,449	80.49	5	20	12
15,411	80.15	20	04	100	15,450	80 00		20	00
15,412	79.94	19	99		15,451	159.75	1	79	88
15,413	82.86	20	71	1.5					
		2 44 7		Tota	1 1898	2,819.03	\$ 8	89	.45

RAILROADS.

List of Railroad and Canal Companies which have received Swamp Lands Under Their Respective Grants.

Date.	No. of Deed.	Corporation.	Acres.
Jan. 7, 1897	15,243	Florida Coast Line, Canal and Transportation Company. Under Act of the Legisla- ture, May 29, 1889.	104,091.96
Feb. 24, 1897	15,267	Louisville and Nashville Rail- road Company, formerly Pensacola and Atlantic Railroad Company. Under Act of the Legislature, March 4, 1881.	2,298.67
Apr. 19, 1897	15,289	Disston Land Company, on account Atlantic and Gull Coast Canal and Okeecho- bee Land Company, under modified contract of Aug. 17, 1888.	644.40
May 31, 1897	15,302	P. W. White, on account of Florida Coast Line, Canal and Transportation Company. Under Act of the	71.09
July 2, 1897	15,316	Legislature, May 29, 1889. Jacksonville, Tampa and Key West Railway Company. Under Act of the Legislature, March 4, 1879.	84,560,00
Sept. 7, 1897	15,842	James M. Graham and B. F. Hampton, on account of Florida Coast Line Canal and Transportation Company. Under Act of Legislature.	40.00
Oct. 15, 1897	15,854	of May 29, 1889. Silver Springs, Ocala and Gulf Railroad Company. Under Act of Legislature, March 12, 1879 and May 3, 1889.	11.029.14
Oct. 15, 1897	15,355	Same.	88,980 00
		Total, 1897. (Jacksonville, Tampa and Key	241,715 26
Feb. 8, 1898	3 15,391	West Railway Company. Under Acts of the Legislature of March 4, and 12.	1,905.01
	15,392 15,393 115,394	Same. Same. Same.	5.472.58 14.190 59 50,510.01

RAILROADS-Continued.

List of Railroad and Canal Companies which have received Swamp Lands Under Their Respective Grants.

Date.	No. of Deed.	Corporation.	Acres.
June 7, 1898	15,029 to 15,035	Atlantic and Gulf Coast Canal and Okeechobee Land Company. On the 7th day of June, 1898, Deeds Numbered 15,029 to 15,035 inclusive, which were issued to the "Disston Land Company" March 21, 1895, on account of the "Atlantic and Gulf Coast Canal and Okeechobee Land Company," under modified contract of Aug. 17, 1888, and held pending the adjustment of claims of settlers, were delivered, and the same is now charged to said "Ompany, embracing 546,590 % acres, less Deed Nos. 15,091, 15,106 and 15, 289, embracing 3,207 % acres, issued in 1895 and '97, covering a part of same lands embraced in Deeds 15,029 to 35.	543,382.91
July 2, 1897	13,816 D and 13,8351	Total, 1898. Also, there has been conveyed to railroads, on account of certificates previously issued, for lands which the State has since received patents. [Louisville and Nashville Railroad Company, formerly Pensacola and Atlantic Railroad Company.	615,461.08

By mutual agreement between the Trustees of the Internal Improvement Fund and the attorney for the Jacksonville, Tampa and Key West Ralway Company on the 9th of February, 1898, a suit which had been pending in the Supreme Court of the State of Florida for the past ten years against the Trustees was di-missed upon motion of the attorney for the Railroad Company by the diministration of this suit several questions were settled and the Fund relieved of litigation that would have been costly, and perhaps unsettled claims which now are permanently disposed of.

Statement of Lands Due Railroads, January 1, 1899:

diles.	Acres per Mile.	Total Granted.	Total Conveyed.	Balance Due.	Name of Company.	
161.00	20,000		*2,202,623.01		Pensacola and Atlantic.	
282.22	10,000	2,882,200.00	*2,580,209.72		Florida Southern.	
55.00	10,000	550,000.00	530,303.38		Jacksonville, Tampa and Key West.	
70.00	6,000	420,000.00	419,677.45		Palatka and Indian River.	
65.15	10,000	651,500.00	494,145.45		Silver Springs, Ocala and Gulf.	
48.82	15,000	732,300.00	*219,294.78	513,005.22	Carrabelle, Tallahassee and Georgia, formerly the	
					Augusta, Tallahassee and Gulf.	
281	5,000	141,666.66	50,890.74	00 775 00	Blue Springs, Orange City and Atlantic.	

^{*}In estimating the amounts conveyed to the several Land Grant Railroads, the unpatented lands, for which certificates were given, have been included. A great deal of the land embraced in these certificates never will be patented to the State, and therefore can never be conveyed by deed to the railroad company which holds the certificate. This is mentioned merely in justice to the railroads.

Statement of Lands Due Railroads, with grants allowing them to take Lands outside of the six and twenty-mile limits to make up an area of 3,840 acres per mile.

Miles.	Acres per Mile.	Total Granted.	Total Conveyed.	Balance Due.	Name of Company.
40.00	3,840	153,600	60,424.71	93,175.29	South Florida Railroad Company or road from Sanford to Kissimmee
32.90	3,840	126,336	29,899.68	96,436.32	Western Railway of Florida.

SWAMP LAND INDEMNITY.

The quantity of lands located by the respective owners of Swamp Land Indemnity Certificates, which have been patented to the State, is as follows:

Total amount, as per last report Of which there have been conveyed by the State to the owners of the Certificates, or to such persons	65,977.94
as they direct, as per last report	55,074.94
Errors in report of 1831 and 1882, (in excess)	601.19
Errors in areas given in Patents, in excess of actual areas, and also Lands Reconveyed to United	
States Government, not reported	209.13
Total	55.885.26

INTERNAL IMPROVEMENT LANDS.

Amount on hand January 1, 1897, (by actual cal-	
culation)	101,257.37
Amount sold in 1898 2,253.51—	6,568.47
Balance on hand January 1, 1899	94,688.90

List of Internal Improvement Lands Sold During the Years
1897 and 1898.

No. Entry.	Acres.	Amount.		No. Entry.	Acres.	Amount.	
15,245	94.87	\$94	87	15,395	40.06	\$50	07
15,306	58.93	58	93	15,410	40.40	50	50
15,308	2,596.55	2,336	90	15,419	60.83	76	04
15.309	40.01	50	01	15,421	168.90	253	35
15,314	142.23	106	67	15,424	165.02	247	53
15,330	91.34	157		- STEEL ON STREET	52.41	65	51
15,349	40.00	50	00	- CONT. (17) CONT.	80.10	80	10
15,357	40.00	50	00	15,432	165.40	206	75
15,363	160.24	96	14	15,436	680.00	850	00
15,382	40.00		00	15,442	39.88	39	88
	7.000			15,444	39.69	39	69
				15,454	40.02	40	02
Total 1897	3.304.17	\$3,050	63	Total 1898	1.572.71	\$1,999	44

List of Internal Improvement Lands Sol I under the Provisions of Section 449 to 453, Revised Statutes, during the years 1897 and 1898.

No. of Entry.	Acres.	Amount of Sales.	Cash Pajd.	No. of Entry.	Icres.	Amount of Sale.			Cash Paid.	
15,288	40.09	50 12	16 70	15,397	80.06	100	08		33	50
15.297	40.12	50 15			80.00		00		33	34
15.326	40.10	50 12			40 04		05		16	75
15.328	129.65	162 07			39.84		80		16	75
15,333	40.09	50 12			40.33		41		16	
15.351	39.87	49 84	16 75		40 62	- 50	78		16	67
15.358	39,87	49 84		15.438	80.00	100	00		33	50
15,361	40.15	60 23	20 00	15,441	80.00	100	00		33	50
15 362	40.15	60 22			40.00		00		16	75
15,364	79.90	99 88			80.03		04		33	35
15,366	40.00	50 00			79.91	99	89		33	50
15,367	39.92	49 90					_	-	-	7400
15.371	40 00	50 00			680 83	\$ 851	05	\$	284	36
15,372	40 76	50 95				1	U.			
15,375	160 06	200 07								
15,376	80 03	100 03								
15,377	80.00	100 00	33 35							

List of Internal Improvement Lands Sold under the Provisions of Sections 449 to 453, Revised Statutes, Prior to January 1, 1897, upon which Payments were made during the Years 1897 and 1898.

No. of	No. of In-	Amount	No. of	No. of In-	Amount
Entry.	stallment.	Paid.	Entry.	stallment.	Paid.
13,823	2 and 3	53 33	14.479	2 and 3	40 06
14,872	3	16 98	14,930	2 and 3	33 30
14.900	2 and 3	33 18	14.973	3	16 66
14.915	3	20 04	14.995	2	16 73
14.918	3	49 42	15.002	3	33 66
14.927	2 and 3	66 79	15 014	2 and 3	33 18
14 932	3	16 76	15.016	3	16 08
14 933	2 and 3	100 83	15.099	3	32 95
14.981	3	16 56		3 3	32 95
15 003	2	33 66	15.103		66 35
15.016	2	16 10	15.117	8	16 33
15 085	2 and 3	33 19	15.122	2	16 70
15 099	2	32 94	15 132	3	15 71
15,100	2	32 94	15.134	2	16 60
15.103	2 2 2	66 67	15.157	2	67 31
15.117		17 00	15 201	3	16 91
15 132	2	17 70	15,211	2	20 10
15,201	2	16 91	Total 1898		\$ 490 58
Total 1897.		\$ 641 00			ф жоо ос

Within the past few years, with consi erable correspondence with the General Land Office and with the Register and Receiver of the Gainesville Land Office, there has been adjusted a claim for Internal Improvement Land of something over 2 000 acres, which will be approved to the State and sold, the proceeds of which will go to the relief of bonded counties. This matter has been arranged without any expense to the State for selecting or locating the land. This acreage due the State for lands under the Internal Improvement Act of September 4, 1841, occurred by reason of lands originally selected for the State of Florida, but was discovered to lie in the States of Alabama and Georgia.

SCHOOL LANDS.

Amount on hand January 1, 1897. (approximated)	
Total	355,975,10
Amount sold in 1897	14,081.90
Balance on hand January 1, 1899	.341,893.20

List of School Lands Sold During the Years 1897 and 1898.

No. of Entry.	Acres.	Amount.	No. of Entry.	Acres.	Amount.
2,858	40.01	\$ 50 01	2.907	80 00	\$ 100 00
2.861	39.98	49 97	2.908	40 00	50 00
2.862	40.10		2,911	642.75	642 75
2.863	2,281.90	1,140 95	2,912	79.86	39 93
2.864	89,94	49 93	2 913	239.58	119 79
2.866	79.81	99 76	2,915	40 05	50 00
2 869	320 00	240 00		39.95	39 95
2,870	400.30		2,920	40 08	50 10
2.872	40.00		2,923	220.31	275 39
2.873	40.00	50 00	2.926	40.05	40 05
2,874	40.10	50 12	2,930	519.84	350 90
2.877	40.18		2.931	638.25	398 90
2.878	520.00		2.932	85.22	106 33
2.881	40 10	50 13	2.933	40.09	40 08
2.883	80.66	80 66	2.934	560 00	280 00
2.885	39.98	49 98	2,936	80 19	80 19
2.886	39 98	49 97			
2.887	653 36	326 68	To'al 1898	3.386 22	\$3 664 4
2,892	40.00	50 00			
2,895	1,920.00	1,296 0			
2,896	40 09	50 12			
2 897	640.55	800 69			
2.899	639 84	447 89			
2,901	40.00	50 00			
2.904	40.00	50 00			
2.905	199.97	249 96		Sk. 18.17	
2,906	639.84	319 92		-	
Total 1897	8.978.69	\$6.365 06	The same of the sa		

List of School Lands Sold Under the Provisions of Sections 449 to 453, Revised Statutes, During the Years 1897 and 1898.

No. of Entry.	Acres.	Amount of Sale.		Cash Paid.		No. of Entry.	Acres.	Amount of Sale.		Cash Paid.	
2,857	80.02			\$66	70		39.94		93		70
2,859	40.05	50	06	13	34		80.45		56	33	35
2,860	40.08		10	16	75		80.09	100	11	30	35
2,865	40 00		00	40	00		39.96	49	95	16	75
2,868	39.95		94	16	75		40.19		24	16	75
2,871	39.88		85	16	75		40.00		00	16	
2,875	77.91	99	89	33	33		40.12	50	15	16	75
2,876	40.07		11	16	75		40.00		00	16	75
2,879	40.11	50	14	16			80.06		06	126	66
2.880	39 65		56	33			40.00	50	00	16	76
2,884	80.09		11	66			160.33		41	67	00
2,888	39.98			16	66		40.13		16	16	75
2,889	79.88		85	33	33		40.17	50	21	16	70
2,890	40.25			16	75		201 61	0001	70	4000	00
2.891	40.18		23	16		To'l 1898	761.44	\$931	78	\$307	96
2.894	79.66		58	33	35						
2,902 2,903	79.84 39.95		80 94	33 16	5 75						
To'l 1897	957.55	\$1,199	47	\$503	98	No.					

List of School Lands Sold Under the Provisions of Sections 449 to 453, Revised Statutes, Prior to January 1, 1897, Upon which Payments were made During the Years 1897 and 1898.

No of Entry.	No. of Installment.	Amount Paid.	No. of Entry.	No. of Installment.	Amount Paid.
2,502	2 and 3	\$33 26	2,689	2 and 3	\$100 59
2,508	2 and 3	33 25	2.739	3	16 27
:2.548	2 and 3	30 00	2.755	3	33 30
2,599	2 and 3	33 28	2,771	3	33 35
2 650	3	15 01	2,790	2 and 3	33 00
2.663	3	16 75	2,792	3	16 78
2.677	3	12 50	2.805	3	16 66
2.678	3 3	33 32	2,806	2 and 3	132 91
:2.690	3	16 64	2 812	2 and 3	33 28
2,712	3	66 63	2.813	2 2	16 68
2.724	2 and 3	40 50	2.823	2	66 45
2,726	2 and 3	122 50	2.837	2 and 3	33 02
2,730	3	16 42	2,840	2	16 70
2,785	3	16 59	2.846	2	16 66
2,739	2 2 2	16 67	2.847	2	33 23
2,755	2	33 30	2.855	2 and 3	66 61
:2,771	2	33 36			
2.792	2 2	16 50			
2,805	2	16 66			
Total 1897.		\$603 14	Potal 1898.		\$665 54

SCHOOL INDEMNITY LANDS.

On February 14th, 1893, the State Board of Education appointed B. F. Hampton, Esq., of Gainesville, Fla., agent to select School Indemnity lands due the State under act of Congress of February 26, 1859, and afterwards the board entered into contract with Mr. James M. Graham, of Alachua county, Florida, to sell him all lands approved to the State under the selection of B. F. Hampton, at the rate of one dollar and twenty-five cents an acre. The board has not been put to any expense in making these selections, and has not paid any commissions for the work.

The contract made with Messrs. Graham and Hampton, is

as follows:

STATE OF FLORIDA, LEON COUNTY.

This contract made and entered into this 25th day of April, A. D. 1393, by and between Henry L. Mitchell, Governor; William B. Lamar, Attorney-General; John L. Crawford, Secretary of State; Clarence B. Collins, State Treasurer, and William N. Sheats, Superintendent Public Instruction, as officers and members of the State Board of Education of Florida, parties of the first part, and James M. Graham, by his attorney in fact, Benjamin F. Hampton, party of the second part, witnesseth:

That the said parties of the first part hereby agree to sell to the said party of the second part, his heirs, administrators, executors and assigns, all the school indemnity lands now due and owing to the State of Florida by the United States, under the act of Congress of February 26th, 1859, including all lands now selected under said act, and not yet approved by the Department of the Interior, at one dollar and twenty-five cents (\$1.25) per acre, and to make to him or such persons as he may designate, deeds thereto, upon the payment of such sum of (\$1.25 per acre. It is expressly understood that the said James M. Graham hereby agrees and obligates himself to purchase at the price named, all the lands found to be due and owing to the State, under the said act of Congress of February 26th, 1859, when the same have been approved, and in order to indemnify the said Board against loss by his failure or refusal to carry out the conditions of this contract, the said Graham has deposited \$1.500 with the State Treasurer, which said amount, in event of his failure or refusal, as above set forth, he agrees shall be forfeited to the Board, otherwise the same shall be accepted by the said Board in its final settlement with the said James M. Graham as a part of the pur-

chase money mentioned herein.

In witness whereof, we have hereunto set our hands and seals in the city of Tallahassee, Florida, this 25th day of April, A.D. 1893.

[Seal State Board of Education.] HENRY L. MITCHELL, Governor.
JNO. L. CRAWFORD, Secretary of State.
CLARENCE B. COLLINS, State Treasurer.
W. B. LAMAR, Attorney-General.
WM. N. SHEATS, State Supt. Pub. In.
JAMES M. GRAHAM, by B. F. Hampton,
Attorney in Fact.

SEMINARY LANDS.

Amount on hand January 1, 1897	30,755.94
Amount Sold in 1897	337.60
Balance on hand January 1, 1899	30,418.34

List of Seminary Land Sold during the Years 1897 and 1898.

No. of Entry.	Acres.	Amount.	No. of Entry.	Acres.	Amount
2,882 2,898 2,900	57.00 40.08	\$71 25 50 10	2,925 2,935	80.22 40.06	\$72 20 50 10
2,900	80.16	80 16	Total 1898	120.28	\$122 30
Total 1897	177.24	\$201 51			

List of Seminary Lands Sold under the Provisions of Sections 449 to 453, Revised Statutes, during the Years 1897 and 1898

No. of Entry.	Acres.	Amount of Sale.	Cash Paid.
2,867	40.08	\$50 10	\$33 40

RECAPITULATION OF SALES IN 1897 AND 1898.

	100	SWAMP.		INTERN	AL IMPRO	VEMENT.		SCHOOL.		SEMINARY.		
1897.	Acres.	of Sale.	Cash Paid.	Acres.	Amount of Sale.	Cash Paid.	Acres.	Amount of Sale.		Acr's.	of	Cash Paid.
Cash Entries	6,311. 52	\$1,933 98 	\$1,933 98 	3,304. 17 1,010 76	\$3,050 63 1,283 53	\$3,050 63 428 29	8,976. 69 957. 55	\$6,365 06 1.199 47	\$6,365 06 503 98	177. 24 40. 08	\$201 51 50 10	\$201 5 33 40
Total Sales, 1897 Amount collected under installment Entries of previous years												
Total Cash, 1897	6,311. 52	1,933 98	1,933 98	4,314. 93	4,334 16	4.119 92	9,934. 24	7,564 53	7,472.18	217. 32	251 61	234 9
Cash Entries Installment Entries under Sections 449 to 453, R. S.												
Total Sales, 1898 Amount collected under Installment entries of previous years	2,819. 03	889 45	889 45	2,253 54	2,850 49	2,283 80	4,147.66	3,596 21	2,972 39	126. 28	122 30	122 30
Total Cash, 1898	2.819. 03	\$889 45	\$889 45	2,253. 54	\$2,850 49	\$2,774 38	4,147.66	\$3,596 21	\$3.637 93	120. 28	\$122 30	\$122 3

VACANT UNITED STATES LAND IN FLORIDA.

On July 1st, 1894, the Commissioner of the General Land Office at Washington, D. C., kindly prepared and furnished this office with total number of acres of land by counties that are open to homestead entry in the State of Florida, and Hon. W. G. Robinson, Register of the United States Land Office at Gainesville, Elorida, has, with considerable trouble revised the list, so as to show the number of acres open to homestead entry in the different counties, July 1st, 1898. The following is such list:

GAINESVILLE, FLORIDA, LAND DISTRICT.

Counties.	Area in Acres.	Counties.	Area in Acres.
Alachua	. 51,393	Leon	3,305
Baker	. 3,498	Levy	20,616
Bradford	. 1,478	Liberty	
Brevard	. 46,932	Madison	5,867
Calhoun	. 51,428	Manatee	17,361
Citrus	. 25,107	Marion	112,111
Clay	. 16,783	Monroe	21,856
Columbia	4,600	Nassau	3,973
Dade		Orange	43,861
DeSoto	. 112,617	Osceola	8,978
Duval	. 1,346	Pasco · · · · · · · · · · · ·	5,720
Escambia	. 5,557	Polk	27,582
Franklin		Putnam	22,928
Gadsden	7,786	St. Johns	10,799
Hamilton	. 3,800	Santa Kosa	103,500
Hernando	. 5,319	Sumter	1,208
Hillsborough		Suwannee	
Holmes	. 781	Taylor	102,797
Jackson		Volusia	18,083
Jefferson	. 3,144	Wakulia	
Lafayettte		Walton	206,260
Lake		Washignton	_185,730
Lee			
		Total	1,592,793

The field notes of the exterior lines of what is known as the "Everglades," have been procured from the Surveyor-General of Florida, and sent to the General Land Office at Washington along with quite a lot of written testimony as to the character of the "Everglade" country. The meanders of the exterior lines of other tracts of unsurveyed lands have been sent to Washington also, with requests for patents to the State for all lands due the State under the Act of Congress of September 28, 1850. A good deal of correspondence relating to the adjustment of conflicts between the State and the United States, as to land entries, has also passed between the State Land Office and the General Land Office during the past two years.

If nothing happens to prevent the issuing of them, the State will receive from the General Land Office very soon patents for the Everglads and other unsurveyed lauds; all of the work necessary to effect this settlement has been done by the present incumbent, at the least possible expense to the

State.

The cost of copies of the field notes has been the only expense the Internal Improvement Fund has been put to in this matter. The proving of the swampy character of the lands, and the procuring of the patents, are the work of agents ap-

pointed for those purposes many years ago.

The issuing of deeds and other instruments of writing relating to the conveyance of lands by the State Land Office, is a small part of the real labor. The correspondence relating to land is as great as it ever was in the past, as is indicated by the letter books, which contain letters relating principally to lands.

As time passes, the records of the State Land Office become more and more valuable. When and how lands were conveyed to the State by the United States, and when and in what manner disposed of by the State, are facts that interest the owners of the lands now, and also those who desire to purchase real estate, and wish to be satisfied as to legality of

title before paying for it.

A set of books have been purchased, and the actual work begun on them, and when completed, parties can get from this office full information as to any particular tract of land in Florida. The books will show whether the land is now United States or State land, if disposed of by either, to whom conveyed, date of conveyance and date of issuing of patent or deed, whether the land was School, Seminary, Internal Improvement, Swamp, Swamp Indemnity, or School Indemnity land, and also full information relating to Spanish Grants, Railroad, Canal and Drainage Grants.

It is very important that the State Land Office should know what land is now vacant United States land, and also should be informed at the end of each month of all Homstead, Preemption and Cash entries made during the month, as well as all final receipts issued during the month from any cause.

I respectfully request that the Commissioner of Agriculture be authorized by a statute to that effect, or by direction of the Trustees of the Internal Improvement Fund, to employ such clerical aid as he may deem necessary, to furnish all the information relating to United States land to be had from the Gainesville Land Office, so as to put the books above mentioned in such a condition, that any person of ordinary intelligence can take one of these books and ascertain at a glance the true status of any tract of land in the State.

If these books were posted as it is intended they should be, all illegal tax sales could be corrected, and the title to lands

often cleared of irregular tax sales.

Even with the information already obtained from the Gainesville office, we have been enabled to correct hundreds of illegal tax certificates covering thousands of acres of land.

Lands Granted to the State of Florida by the United States Under the Provisions of Act of Congress of May 17, 1856.

The records of the General Land Office at Washington, D. C., show that up to July 1st, 1894, there had been patented or approved to the State of Florida to aid in the construction of certain railroads under the provisions of said Act of Congress

of May 17th, 1856, 2,080,938,95 acres of land.

These lands are not swamp or overflowed lands, but are the odd numbered sections lying within six and fifteen miles of the line of certain railroads; the roads getting the benefit of this grant were the lines that run from Pensacola to Jacksonville, from Pensacola to the Alabama line, from Fernandina to Cedar Keys, and from Waldo to Tampa, known at the time of the approval of the land to the State, as the Alabama and Florida Railroad, the Pensacola and Georgia Railroad, the Florida Atlantic and Gulf Central Railroad, the Florida Railroad, etc.

There are no patents or deeds from the State to the several railroads who received these lands, and no evidence of any conveyance by the United States to the State, except lists showing full description, now on file in the State Land Office at Tallahassee, and at the United States Land Office at Gainesville, Florida. The railroad companies or corporations that received these lands have disposed of them long ago. A great portion of the lands granted under this Act of Congress of May 17th, 1856, were sold by the railroad companies themselves, or by trustees appointed for such purpose in 1859 and 1860.

For the protection of persons who have purchased these lands either from the railroad companies, from trustees of the railroad companies or their assigns, some instrument of writing showing the title that the railroad held in the lands at first, should be placed on record in every county where the lands lie.

The disposition of these lands were never vested in the trustees of the Internal Improvement Fund of Florida, as were the lands granted under Act of Congress of September 4, 1841, known as the Internal Improvement Lands proper, and those granted under Act of Congress of September 28, 1850, known as Swamp and Overflowed lands; therefore the Trustees have no right to make the conveyance, neither has any law ever been enacted authorizing the salesman of State lands or the Governor to make any disposition of them; therefore I request your Excellency to call the attention of the

Legislature to this matter, and request that an act be passed or joint resolution adopted, that will fully protect all purchasers of these lands. Such a law could be passed in a few lines, and the Commissioner of Agriculture, with the proper clerical assistance, could soon prepare and have put on record in the several counties such a conveyance as would show a clear chain of title from the United States to the State, and from the State to the land grant companies or their assigns.

Such action could not affect any rights of the railroads that received the grant. The land was properly earned by them and long since disposed of, and it is only to protect the present owners of these lands, and to show from what scource the title was originally acquired, that the suggestions are

made.

Lands Sold Under Chapter 4011, Laws of Florida.

Below will be found a report as to what was received by the Commissioner of Agriculture from January 1, 1897, up to and including May 17, 1897.

1897.	
January, 42 Deeds from No. 3106 to 3148 inclusive \$	687 71
February, 39 Deeds from No. 3149 to 3187 inclusive	496 62
March, 49 Deeds from No. 3188 to 3236 inclusive	1.133 55
April. 44 Deeds from No. 3237 to 3280 inclusive	635 92
May, 27 Deeds from No. 3281 to 3307 inclusive	346 42

All of the money mentioned above was deposited with the

\$ 3,300 22

State Treasurer before the deeds were sent out.

As much of what was said in the report to the Governor, January 1, 1897, is still pertinent to the subject of Tax Sale

Certificates and Tax Lands it is reported here.

The price received generally for these Tax Sale lands has been the amount of taxes for the year certified to the State, with interest to date of purchase, at the rate of 25 per cent_ per annum, costs, and all subsequent tax sales with interest at the same rate on such subsequent sales. There has been some deviation from this rule in some cases, such aslarge purchases, and sometimes when the taxes and costs were excessive, or the lands were sold through mistake or ignorance on the part of the owner. The above amount does not include all the money received from the sale or redemption of Tax Certificates at the office of Commissioner of Agriculture, while the Commissioner only controlled the sale of lands certified to the State during the years 1892 and 1893. Often parties wished to redeem lands sold for taxes prior to 1892 or 1893, and would write to him for cost of redemption or purchase. Such letters were always answered direct, without reference to the Treasurer or Comptroller, and the moneys, if any received, handed to the proper officer, and the tax certificates cancled and transferred, and sent to the partfes writing for them.

The Commissioner has had clerks employed to look up lands that are, or were not, subject to taxation, and the tax certificates covering such lands cancelled, by such work hundreds of illegal or improper certificates have been cancelled, and the cloud that would rest upon the title to thousands of acres of land removed.

While upon the subject of Tax Sales, the opportunity presents itself of calling the attention of your Excellency and the

Legislature to the manner of paying Tax Collectors. A good business man pays his agent, the larger or the sole commission on amounts collected by such agent; with the State, a different rule has prevailed, for real estate upon for which taxes are not paid, and which reverts to the State, or as is called "bought in by the State," a commission of 5 per cent. is paid on the uncollected taxes, and only 1 per cent. is paid if the amount of taxes collected exceed a certain sum; in addition to this 5 per cent, for real estate bought in by the State, the collector receives 25 cents for each tax certificate issued to the State. The Tax Collectors are not paid too much; but it would seem the better policy to pay more for money actually collected, and less commission on that not collected. The collectors themselves would prefer to be paid for money received. In many counties the compensation received from the State is not sufficient, and they are not paid what they are worth, or would be paid by individuals or corporations for like services.

Report of State Chemist.

To His Excellency, WILLIAM D. BLOXHAM, Governor of the State of Florida.

SIR-In accordance with Sec. 908, Revised Statutes, I have

the honor to submit herewith my annual report.

This laboratory was primarily established for the analyses of commercial fertilizers, sold to citizens of this State, and, under our law, these fall under two heads: the first are those which come under Section 895, being samples which are taken by the State Chemist, or by his assistant, wherever they are found, in the factories, warehouses, stores, or in the hands of consumers, and which we designate as Official Samples. The other class are those taken by the purchasers, themselves, under Section 903 of the Revised Statutes, which provides that "Any-person purchasing any fertilizer from any manufacturer or vendor in this State for his own use, such person being a citizen of the State, may submit fair samples to the Commissioner of Agriculture," etc. These samples we call

special samples.

Under Sec. 895, I have made and published, as shown by the "Monthly Bulletin" for September, 1898, of official samples one hundred and seventy-nine, which embrace samples taken by myself, or the Assistant Chemist and Inspector of Fertilizers, from points all over the State where fertilizers are sold or stored. An examination of these results show that 20 per cent. of these are below the manufacturers' guarantees in one ingredient, 2 per cent. are below the guarantees in two ingredients, and I per cent. below in all three ingredients; and that 7 per cent. are scarcely up to the guarantees. Of the above 14 per cent. were below the manufacturers' guarantee in potash; 8 per cent. were below in ammonia and 4 per cent. below in phosphoric acid. The tabulated list of these analyses will be found at the end of this report, marked table A. Since the issue of that Bulletin, I have made analyses of thirty-two official samples, and twenty special samples, fifty-two analyses, which are shown in table B.

The determination of the moisture, ammonia, potash, and phosphoric acid in its two forms of available and insoluble, (which really involves also the determination of the total phosphoric acid), in a complete fertilizer takes the time of a chemist two days, and would ordinarily be worth twenty dol-

lars; for this work, however, Section 903, Revised Statutes, provides that the Commissioner of Agriculture may charge a fee of two dollars; following my reappointment as State Chemist, and the appointment of an assistant to the State Chemist, who was a practical chemist, and who would work with me in the laboratory all the time, the Commissioner of Agriculture exercised the discretion allowed him by the wording of the law, and waived the payment of the nominal fee, thereby permitting any citizen of Florida, who was a purchaser of fertilizer for his own use, to have an analysis free of charge, provided he would take a fair sample, in the presence of two disinterested witnesses, from original packages, and

have the samples sealed and sent to him.

This liberal action has proven most satisfactory to purchasers, and has not been found to work any injustice to any manufacturer; and as it has become generally known, more consumers are availing themselves of its advantages. Since its adoption I have made ninety-six analyses of special samples of commercial fertilizers, cotton seed meals, ashes, and fertilizer materials for the following persons: A. Greenleaf, Floral City: A. W. Street, Ormond; Wm. L. Neeld, St. Petersburg; Jesse Green, Crawford; T. B. Anderson, Palatka; E. B. Bailey, Monticello, P. J. Hawley, Hastings; J. H. Curry, Tampa; Dr. E. S. Crill, Palatka; Vertrees & Co., Palatka; W. A. Bours & Co., Jacksonville; Wilson & Toomer, Jacksonville; P. Houstoun, Leon county; R. D. Hoke, Jensen; J. M. Brownlee, Starke; W. A. Merryday, Palatka; J. T. Carleton, Arcadia; A. G. Thompson, Jacksonville; C. T. Carroll, Monticello; D. S. Chase, South Lake Weir; Clarence Moore, Melrose; A. L. Perry, South Lake Weir; J. L. Young, Plant City; A. C. Berry, Brents; P. B. Byrd, Drifton; Chase & Co., Sanford; E. O. Painter & Co., Jacksonville; L. N. Crigler, Bartow; F. Kramer, Leesburg; E. B. Cooper, Grand Island; W. D'C. Kessler, Pensacola; E. H. Mote, Leesburg; A. L. Wilson, Quincy; G. W. Saxon, Tallahassee; Frank H. Davis, Apopka; H. W. Remmers, DeLand; C. R. Tysen, Jacksonville; C. W. Zaring, Jacksonville; Bruce Turton, Jacksonville; J. D. Price, McIntosh; G. P. Ide, Jacksonville; F. E. Ohlinger, Winter Haven; W. G. Powell, Jacksonville; G. E. Cannon, Gainesville; T. A. Carroll, Gainesville; T. M. Weir, Tampa.

The Commissioner of Agriculture, desiring to extend as much as possible the usefulness of this department, suggested that, as opportunity offered, such analyses of soils be made as would be found to benefit many persons in a community; the results of such soil analyses as we have found time to make,

together with the names of the senders, will be found in their

proper place in this report.

At the request of the civizens of Kissimmee, through Mr-Vans-Agnew of "The Kissimmee Valley Gazette," I made an analysis of the water supply of the city of Kissimmee, and at the request of Mr. F. G. Baldwin, of Lake Maitland, an analysis of the water on his premises, which he suspected contained the germs of typhoid fever, and caused the illness of his son. These were considered of general importance to the communities from which they came, and no charge was made in any instance. The results are shown elsewhere.

In the September "Monthly Bulletin" for 1897, being the last issue for that year, I published the following, which fully

explains itself:

BRIGHT COTTON SEED MEALS.

"I have found at several points in the State that bright cotton seed meal is being offered for sale, chiefly through brokers,

'without analysis.'

"This is done in such a manner as to endeavor to create the impression that it is just as good as though the analysis was guaranteed, and the buyer saves the twenty-five cents per ton which the State collects on all fertilizers.

"A sample recently sent on from Palatka was found by analysis to contain 5.10 per cent. ammonia; pure cotton seed meal should not contain less than 8½ per cent. ammonia, and the

average for this season runs above 9 per cent.

"If a ton of cotton seed meal which contained 9 per cent. ammonia is worth \$21.60, a ton of meal which contained 5.10 per cent. ammonia would be worth \$12.24.

"Instead of saving twenty-five cents per ton, the buyer of the adulterated cotton seed meal would be out just \$9.36 on

every ton purchased under the above conditions.

"I have been at some trouble, and several days' work, to find out the nature of the adulterants used, and in the sample under consideration, which I have compared with a sample of pure meal obtained the following results:

Adulter	ated Sample.	Pure Meal.
Ammonia	5.10%	9.11%
Ash	4.33%	5.92%
Oil		14.25%
Crude fibre, in oil free, dry state	.18.25%	7.80%

"These results show clearly that the sample is adulterated with some vegetable refuse, rich in cellulose, but poor in, or free from, nitrogenous compounds, and containing less ash than pure meal. This meal was probably adulterated with finely

ground corn cobs.

"Meals from Memphis, Tennessee, have been found to be more frequently adulterated than any others, and while all meals from that point may not be adulterated, it would be well to insist upon an analysis of any which come from there. See that the guarantee and the commissioner's stamp is on every

"I will gladly give prompt attention to samples sent on for analysis."

As I have stated, the above sample came to me from Palatka. I have since been informed by one of the largest dealers in Palatka, that the goods, themselves, never came into the State, but that the publication in the "Monthly Bulletin" had the effect of making many buyers cautious about buying meals in Palatka; while the dealers were really protecting themselves and their customers from fraud, by insisting upon having an analysis of the goods before they would let them come into the State.

In the issue of the "Monthly Bulletin" for May, 1898, I published the following:

ANALYSIS OF THE VELVET BEAN.

Moisture at 212° F	10.76 per cent
	G11-53/05 A
Crude fibre	8.50 per cent.
Fat	4,74 per cent.
Ammenia	4.42 per cent.
Equivalent to nitrogen	3.64 per cent.
Equivalent to crude protein	22.75 per cent.
ANALYSIS OF THE ASHES.	
Moisture at 212° F.,	7.24 per cent.
Potash, (K, O)	6.72 per cent.
Also the following:	

THE VALUE OF THE ASHES OF THE PALMETTO ROOT AS A FERTILIZER.

"The following will prove interesting to many people in Florida:

"LEESBURG, FLA., June 14, 4898.

"W. A. Rawls, State Chemist, Dear Sir: Please, by early mail, give me the per cent. of potash in the ashes of the palmetto root. The roots were grubbed from high hammock Very respectfully,

"J. H. R."

REPLY.

"TALLAHASSEE, FLA., June 17, 1898.

"Mr. J. H. R., Leesburg, Fla., Dear Sir: Replying to your inquiry as to the value of palmetto roots for the potash which the ashes contain, some experiments conducted in this laboratory showed that a ton of green palmetto roots contained 64.30 per cent. of water, and 35.70 per cent of dry fibre; the proportion of ash to the green root was found to be 0.92 of one per cent. or 18.4 pounds to the ton. 18.4 lbs. of ash contained 4.49 lbs. of potash, which, at five cents a pound, would be worth something like twenty-two cents.

"You can readily see, from these results, that it would not pay to grub palmette roots for the potash contained in the

ashes.

Yours truly, "W. A. RAWLS, S. C."

In the June issue of the "Monthly Bulletin" the following:

"Since the occurrence of the muck bed fires, in various parts of Florida, I have had a number of samples of muck ashes

sent in for analysis.

"Of course these ashes contain no ammonia, all this having been driven off by fire. As the muck consisted of decayed roots, leaves and other vegetable organic matter, together with sand and other insoluble material, the bulk of the ashes would be made up principally of these insuluble materials, with traces of phosphoric acid, lime, magnesia, etc., and small quantities of potash, and their value would depend upon the amount of potash found in them.

"The determinations of a number of samples, from different localities, showed an average of 0.16 per cent. of potash (K, O), and their commercial value, under our schedule of valuations, exclusive of any allowance for freights, sacks, etc.,

would be sixteen cents per ton."

In the "Monthly Bulletin" for September, 1898, the following:

HARDWOOD ASHES.

"In order to be absolutely safe from fraud in the purchase of hardwood ashes, it is necessary to send a sample of every lot

purchased to the State Chemist for analysis.

"Call in two disinterested witnesses, take a fair sample of the whole lot, let one of the witnesses seal the package, and send it by mail or express to the Commissioner of Agriculture, and he will have the State Chemist make the analysis, and send you the result free of cost.

"Four samples taken in Jacksonville within the past two weeks analyzed as follows: In Potash (K² O) Soluble, 0.49 per cent., 2.74 per cent., 1.18 per cent., 1.49 per cent.; all these guaranteed by the shippers to contain over 6 per cent. potash."

In this report I shall endeavor, more fully than heretofore, to explain the workings of our fertilizer laws, and to give somewhat in detail the reasons for the creation and continu-

ance of this department.

During the year 1898, the U. S. Department of Agriculture issued a Bulletin (No. 13 miscellaneous series), which gave a resume of the fertilizer industry of the United States, and on page 20, under "Analysis of Fertilizers and License of Sales"

occurs the following:

"All the States east of the Mississippi River, with Missouri, Arkansas, and Louisiana—twenty-nine in number—have laws relating to the inspection and sale of commercial fertilizers. The region subject to this legislation is the fertilizer-consuming region of the country, the remainder of the States using comparatively insignificant quantities. The occasion for this legislation was the fraudulent character of the commercial fertilizers manufactured and offered for sale, the chemical constituents of which were misrepresented or concealed and were of much less value than represented by manufacturers and dealers.

"The laws of the various States with regard to the sale of fertilizers differ only in minor details, and in general are of the following character:

THE GENERAL SYSTEM.

"The Secretary of the State Board of Agriculture, or some other State official, is authorized to issue licenses for the sale of fertilizers, upon the payment of a fee for each brand or specified quantity, annually, and the licensee must affix to each package of fertilizer sold, a statement of the chemical analysis of the fertilizer, his own name and address, and the net weight of the package, a copy of said certificate to be sent to the State official, together with a sample of the fertilizer. The State official employs a chemist to analyze samples of fertilizers, and the results of analyses are published, together with statements of the commercial value of the various brands as shown by the quantities of their various components. A regular analysis of each brand of fertilizer is usually made annually, but the State official may authorize anyone to select from any package of fertilizer exposed for sale a small quan-

tity and send the same to him for analysis, to see whether it

agrees with the certificate attached to the package.

"The result of the legislation requiring the analysis of fertilizers has been to eliminate fraud from the business, and the farmer may now be sure that he is buying what the fertilizer is represented to be, his main concern being that he should buy the fertilizer that is chemically adapted to the requirements of his soil and crop."

The foregoing is followed by an abstract of the fertilizer laws of each State, and a careful comparison of all shows that in all essential points the fertilizer law of Florida is

among the very best that has been devised.

In this State we do not analyze manufacturers' samples. The official samples are taken either by the Assistant Chemist, who is also Inspector of Fertilizers, or by the State Chemist himself, who goes all over the State, into the warehouses of the transportation companies, the dealers and agents handling fertilizers, the factories of the manufacturers, taking samples of the goods wherever he finds them exposed for sale, and in many instances in the hands of consumers. These samples are analyzed, the dealers, or consumers, are promptly notified by mail, and the results are also published in the "Monthly Bulletin," so that they reach the people promptly, and not annually, as is the case in many States, where an annual bulletin

only is published.

Commencing in July, 1897, and ending December 31, 1898, I have traveled 8,674 miles, visiting the principal towns and stations along the lines of railroad transportation in the State. I have made two trips as far south as Miami on the East Coast; one as far as Braidentown, three to Tampa, one to Punta Gorda, and another as far as Arcadia, taking in as many intermediate points as possible, and have visited Pensacola and points along the line of the L. & N. R. R. as often as practicable. While at Jacksonville, Palatka and other distributing points, I have made as frequent trips as were considered necessary to properly look after the large amounts of fertilizers which are constantly passing into the State through those places; this duty having been undertaken by me solely for the reason, that for the small salary allowed by the last Legislature for the Assistant Chemist and Inspector of Fertilizers, no man could have been obtained who would have been willing to fill both positions, since no appropriation was made for traveling ex-All traveling expenses have been paid by me out penses. of my salary.

As the salary of the State Chemist, the Assistant Chemist, and the expenses of the laboratory, are paid out of the receipts

from the inspection of fertilizers, this department is maintained at no cost to the tax-payers of the State, and at no cost even to the consumers of fertilizers; and while the latter could well afford to pay the additional twenty-five cents per ton for the protection which this department gives to them, they do not pay even this small sum. To demonstrate this clearly, I will use for illustrations one of a popular brand of fertilizers, which is manufactured in New York and sold largely in the eastern and southern parts of the State—Mapes' Fruit and Vine.

The twentieth annual report of the Connecticut Agricultural Experiment Station, pages 148 and 149, gives the price of Mapes' Fruit and Vine fertilizer, at Mapes' branch, in Hartford, Connecticut, at \$38.00 per ton. Mr. Tysen, their agent in Florida, gives as the price in Jacksonville, Fla., in his published circulars, \$38.00 per ton; if sold in Savannah, Georgia, the price would be \$38.00 per ton, and it would be delivered at the port of Mobile, Alabama, for \$38.00 per ton. Now, in Connecticut there is no inspection fee of so much per . ton, but a license fee of \$10.00 for each fertilizing ingredient, irrespective of the amount sold. In Georgia where the sales of fertilizers have reached 400,000 tons, the inspection fee is ten cents per ton; in Florida it is twenty-five cents per ton, The inspection fee varies. and in Alabama fifty cents per ton. but the price of the fertilizer remains the same. The manufacturer pays the small fee of so much per ton, and the goods cost the consumer no more on account of it, just as the manufacturers of proprietary medicines and other articles are paying the tax levied by the U. S. Government on all their goods; but Hood's Sarsaparilla still costs the consumer \$1.00, and Tutt's pills are still twenty-five cents. The fertilizer law of Alabama provides a penalty for any attempt, directly or indirectly, to add the price of the inspection fee to the price of any commercial fertilizer sold in that State.

Again, the Connecticut Experiment Station report, above quoted, gives to Mapes' Fruit and Vine fertilizer a valuation of \$26.32 per ton; that is, they say that the materials which would make a ton of fertilizer to analyze the same as Mapes' Fruit and Vine could be purchased at a seaport in Connecticut for \$26.32; now, if a single ton could be bought for this amount in open market, they who buy many thousands of tons must get lower figures, and when they get below \$20.00 per ton, namely to \$19.00 per ton, and sell for \$38.00, their. profit is one hundred per cent., less freight to port of delivery, and agent's commission. So it can readily be seen that the inspection fee of twenty-five cents plays no part in the price.

In addition to the foregoing, I have made analyses for the following persons: S. P. Shepherd, Palm Springs, muck; Thos. Hind, Georgetown, Florida moss; J. B. Miller, Lady Lake, clay and water; Judge R. F. Taylor, Tallahassee, clay; Thos. Savage, Kendrick, soft phosphate; Edward Ludlow, Jacksonville, rocks; Jere S. Smith, Jacksonville, rock; J. A. Hansbrough, Tampa, clay; J. V. Burke, Ocala, phosphate rocks; W. N. Camp, Albion, phosphate rocks; Geo. H. Wright, Orlando, velvet beans; Angus M. Smith, Jacksonville, clay and rocks; J. H. Frier, Alafia, muck ashes; J. T. Gailey, Eagle Lake, muck ashes; Bruce Turton, Jacksonville, screenings; J. T. Hilliard, Melbourne, rocks; J. R. Powell, Eldridge, rocks; J. T. Wilson, Leon County water; E. S. Buckingham, Pensacola, marl; E. L. Carney, South Lake Weir, muck; G. H. Gibbon, Winter Haven, muck; McCaskell Bros., Wyoma, clay; J. T. Alsabrook, Lisbon, coffee; M. E. VanNess, Arlington, phosphate rock; J. E. Ingraham, St. Augustine, rocks.

Besides the routine correspondence of reporting upon all analytical work, many letters have to be answered, which take no inconsiderable time; these frequently interest many people besides the persons to whom they are addressed, and, in order to convey some idea of the nature of this work, I shall insert some letters which I have written in reply to questions received. These are taken at random from our letter book,

and are only some of hundreds on file.

Hon. L. B. Wombwell,

Commissioner of Agriculture.

Sir-Replying to letter of Hon. S. P. S., Palm Springs. In reply to first question (as to muck), "What would be good to

compost it with?"

The great consensus of opinion among the many who have experimented with muck is that in its raw state it is of doubtful value; some say that "it is not worth hauling;" this is especially true when it dries in hard lumps, as they often take

many years to disintegrate.

This muck consists of about one-half water, most of the balance being organic matter, the remains of decayed vegetable fibre from aquatic and semi aquatic plants, etc. Ammonia is its valuable element. Unfortunately this ammonia is locked up in its most inaccessible forms, as a plant food, since it is held by humic and other acids, resulting from the decay of vegetable fibre, and the practical question is how to make this ammonia available to the growing plants, without thoroughly

pulverizing and treating the muck with solvents, etc., and

spending more money on it than it would be worth.

I am able to suggest the following as one method which has given good results. Let the muck be thoroughly airdried, under cover, which will get rid of about three-fourths of the water it now contains, then use it, as much as possible, as an absorbent for the waste materials from the stable, the kitchen, around privies, etc.; then, in order to make a complete fertilizer, there must be added phosphoric acid and potash; how much of each would depend somewhat on the crops to be grown, but from three to five hundred pounds of high grade sulphate of potash, and the same quantity of superphosphate to each ton of the muck, would produce a good all around fertilizer.

Answering the second question. The percentage of ammonia would increase in proportion to the dryness of the muck.

Respectfully submitted,

W. A. RAWLS, State Chemist.

Hon. L. B. Wombwell,

Commissioner of Agriculture:

SIR-Referring to the letter of Mr. W. P. N., St. Peters-

burg, Fla.:

The first sample we analyzed for him looks very much like pebble phosphate; it may be the fossilized excrements of birds, or it may have become mixed with the excrements of birds, thousands of years after its formation; but the percentage of phosphoric acid being greater in this than the last sample, can be easily explained, without entering upon the mooted question of how and when these phosphates were formed, or whether they were formed at two or more entirely different periods, from entirely different sources, and by entirely distinct processes. Suffice it to say that the highest authorities differ on these questions, and the most distinguished are wearing out their lives trying to reconcile the many theories on this subject.

The last sample contained moisture, ammonia and organic matter, running to a good percentage. Now all these and other matters, as well as some soluble phosphoric acid, had leaked or washed out of the first sample, and of course the phosphoric acid which was left ran higher. I will illustrate. If we mix 25 per cent. of corn, with 75 per cent. of peas, then

take all the peas out of the mixture, all of what is left is corn; the percentage of corn has increased from 25 to 100 per cent. so in the first sample, when other matters had leached and washed out and left only phosphoric acid, and much of that in a form which would not leach and wash out, that is insoluble, then the percentage of phosphoric acid runs higher, especially the insoluble phosphoric acid, which the leaching least affects.

The first sample contains only phosphoric acid as a fertilizing material (and lime); the second contains a good percentage of ammonia, in addition to phosphoric acid, largely in soluble form, and, with the further addition of potash, will make a complete fertilizer.

Respectfully submitted,

W. A. RAWLS, State Chemist.

Hon. L. B. Wombwell,

Commissioner of Agriculture:

DEAR SIR—Referring to sample of earth, and sample of water, sent on for analysis, by Mr. L. B. Miller, Lady Lake, Fla.:

The earth is a clay; it was formerly at the surface, and supported a very rank vegetation; the roots of plants and decayed vegetable matter remained in it, and it contained enough iron to unite with the tannin in the vegetable matter, and form an ink, which has communicated its color to the earth, hence it is black.

This earth contains a considerable amount of organic ammonia; the water filters through this earth, and takes up enough ammonia to render it unfit for use, and no practical filtering or boiling will render it fit to use, either for man or beast.

Respectfully submitted,

W. A. RAWLS, State Chemist.

Hon. L. B. Wombwell,

Commissioner of Agriculture:

Sin-Referring to sample of other submitted for examination:

This seems to be a fair quality of ochre; but the only way to determine the commercial value of this class of earths is to send samples to dealers, who make practical tests as to its oil absorbing power, and its ability to cover surface. These materials are mined in foreign countries where labor is cheap, and where transportation is available; it is rarely found practicable to mine and deliver them into commercial centres along long lines of railroads.

Yours very truly,

W. A. RAWLS, State Chemist.

Mr. H. von L., Earleton, Fla.:

Dear Sir—I have just returned from a trip through Eastern and Southern Florida, where I have been inspecting and sampling fertilizers, and find your letter of 31st ult. waiting

reply.

We will suppose that you wanted to mix a fertilizer to contain say 7 to 8 per cent. of available phosphoric acid, 2 to 3 per cent. of ammonia, and 9 to 10 percent of potash (as potassium oxide K_2O , which is the form in which chemists have generally agreed to estimate the latter), and that you wanted to use acid phosphate, cotton seed meal, and high grade potash; and that your acid phosphate analyzes 15.71 per cent of phosphoric acid (P_2O_5); cotton seed meal 9.35 per cent. ammonia, and potash 48.2 per cent. potash (K_2O).

Bearing in mind that per cent. means so many parts in each

one hundred, we would say:

1,000 lbs. acid phosphate, multiplied by 15.71 per cent, equals 157.1 lbs. phosphoric acid, in one ton,

and 2,000 lbs.: 157.1 lbs.:: 100 per cent.: x = 7.85 per cent.

phosphoric acid.

600 lbs. cotton seed meal, multiplied by 9.35 per cent., equals 56.1 lbs. ammonia in one ton; equals 2.8 per cent. ammonia. 400 lbs. potash, multiplied by 48.2 per cent., equals 192.8 lbs. potash in one ton, or 9.64 per cent. potash (K₂O).

Now suppose you wanted to increase your per centage of ammonia by the addition of nitrate of soda, and that your nitrate of soda analyzed, say 18.36 per cent. ammonia, and that you wanted to substitute 300 lbs. of nitrate of soda for 300 lbs. cotton seed meal, then you would have

300 lbs. cotton seed meal \times 9.35 per cent = 27.75 lbs. am-

monia in one ton.

300 lbs. nitrate soda \times 18.36 = 55.08 lbs. ammonia in one ton, and 27.75 plus 55.03 = 82.83 lbs. in one ton, or 4.07 per cent.

I mail you under separate cover copy of our "Monthly Bulletin," which you can get regularly if you wish, on application to the Commissioner of Agriculture.

I shall be glad to be of further service to you at any time.

Yours very truly,

W. A. RAWLS, State Chemist.

Mr. J. V., Bartow, Fla.:

Dear Sir-Replying to your letter of inquiry, the phosphoric acid from Florida phosphate rock is just as available as

that from any other material.

In support of this view, which I have always held, I quote from Bulletin No. 35, Hatch Experiment Station, Massachusetts Agricultural College, which summarizes as follows: "The superior value which has hitherto been accorded to undissolved bone meal as a fertilizer, is due solely to the nitrogen which it contains." "As a phosphate fertilizer it yields no better results than mineral phosphates."

And from Bulletin No. 33, season of 1896-97, by Dr. Geo. F. Payne, State Chemist of Georgia, page 37: "We would consider an acid phosphate from phosphate rock, containing a certain percentage of available phosphoric acid, as available, as far as the phosphoric acid is concerned, as a similar amount of

available phosphoric acid obtained from bone.

Yours very truly,

W. A. RAWLS.

Hon. L. B. Wombwell,

Commissioner of Agriculture:

Sir—I have completed the analysis of the sample of soil sent on by Mr. J. A. Farnell, Jr., Waveland, Brevard county, and find it to contain as follows: (Results given in table of

soils).

As we have no data as to the history of this soil, how it was taken, at what depth, etc., we can only say that it compares favorably with other samples of soil taken in the same section of Florida; it is high in organic matter, carrying a good percentage of ammonia, so far indeed in this respect above the average, that it might seem to have been fertilized with some ammoniate, or with soil from a muck bed.

In sand and insoluble silicates this sample does not run as high as the average Brevard county soils, which is very

much in its favor.

In phosphoric acid and lime it goes above many virgin soils, but shows only a trace of magnesia, and in fertilizing, I would recommend that the potash used be in the form of double manure salts (potash and magnesia).

There does not seem to be any reason why this soil should not produce fine crops of tobacco, or any other crop, when

properly fertilized.

Respectfully submitted, W. A. RAWLS, State Chemist. Mr. Clarence M., Melrose, Fla.:

My Dear Sir—Yours of 20th ult. awaited my return from a trip in West Florida. Let us figure together a little, for the benefit of our farmer friend, and see where we will come out; and for illustration we will take "Powell's prepared chemicals" as a basis. The analysis was as follows:

Available phosphoric acid, 7.04 per cent. Insoluble phosphoric acid, 0.25 per cent. Ammonia, 3.06 per cent. Potash (K₂O), 8.59 per cent.

To get a valuation for this, refer to the table in the Bulletin, and we have:

Available phosphoric acid, 7.04x80	8	5 68
Insoluble phosphoric acid, 0.25x20		05
Ammonia, 3.06x2.40		7 24
		8 59
		2 60
Potash (K ₂ O), 8.59x1.00	- N	8 59

In other words, you could buy phosphoric acid, ammonia, and potash enough in any Florida seaport to make one ton of the same grade which they sell in Baltimore for \$54.00, for

\$24.21, at the State Chemist's valuation.

Now suppose you wanted to mix your own fertilizer, accordto the foregoing formula, or rather according to the percentages there given, you would need of acid phosphate (14 to 15
per cent. phosphoric acid) enough to make 7.04 per cent., or
7 lbs., in every 100 lbs. or 140 lbs., phosphoric acid in every
ton, and as each 100 lbs. acid phosphate furnishes 14 lbs.
phosphoric acid, you would need as many times 100 lbs. acid
phosphate as 14 is contained in 140, or 10 times 100 lbs., or
1000 lbs. acid phosphate.

Cotton seed meal averages about 9 per cent. ammonia; that is there is 9 lbs. ammonia in every 100 lbs. cotton seed meal, and you want 3.06 per cent ammonia—3 lbs. in every 100 lbs., or 60 lbs. ammonia in the ton; therefore you must take as much cotton seed meal as 9 is contained in 60 multiplied by

100 or about 700 lbs., (to be exact 6663 lbs.).

For potash you would use high grade sulphate, going to say 50 per cent. potash (K₂O), and to get 8½ per cent. you would want 20 times 8½, or 170 lbs. potash (K₂O) so you would need 340 lbs. high grade sulphate potash.

would be..... 8 30

2040 lbs..... \$ 20 75

To which you must add freight from your nearest seaport.

Pon't you think this beats "Powell's prepared chemicals" at \$54.00, plus the freight from Baltimore?

Your truly,

W. A. RAWLS, State Chemist.

Note—This party had purchased "Powells prepared chemicals," and I had made an analysis of the material for him.

W. A. R.

Messrs. W. & T., Jacksonville, Fla.:

Gentlemen—I have your favor of 2nd, also enclosure from C. F. Carrigues & Co., of New York. Referring to their statement that "the method adopted by your State Chemist, for determining the analysis of nitrate of soda is radically different from that used by Messrs. Stillwell & Gladding of New York," etc. Messrs. Stillwell & Gladding would no doubt be very much surprised to learn that they are using methods for determining nitrogen, radically different from those used by every State Chemist in the United States, since the methods used by your State Chemist are those adopted by the "Association of Official Agricultural Chemists," which includes every chemist in the United States who exercises fertilizer control, as well as most commercial chemists in this country. This part of their letter is false and misleading, and Stillwell & Gladding will tell you so, when you ask them.

The second part of their letter is true, in that they are living up to their contract, as I remember it from your reading it to me when in Jacksonville; you buy it on some "West Coast Analysis," whatever that may be, and not on the analysis of Stillwell & Gladding, or anybody else whom you know; and then, too, the contract allows for variation in what might be called the run of the mine. We see that the product does vary. We made an analysis for C. R. Tysen, sample taken by me October 26, 1898, which ran to 18.36 in ammonia; and it would be much better for them to say this, than to attempt to

throw mud on your State Chemist. As a matter of fact they dont guarantee you any per cent. of nitrogen or ammonia, and they are perfectly safe in saying so; the guarantee is all the other way; you really guarantee to pay for whatever they send you, and if you were to try to make any other kind of contract, you would probably find that you could not do so; as for instance, an analysis by Stillwell & Gladding of each lot.

To sum up the whole situation in a nutshell: We are using the methods in all our fertilizer work which have been adopted by the "Association of Official Agricultural Chemists of the United States," and which are used by every chemist in the United States, for this work; we are doing this work all the time, over and over again. My assistant has worked in the laboratories of Wyatt & Sarbaach, Ledoux, and others, in New York, and elsewhere, and has their unqualified endorsements; and has devoted many years to this class of work. Our work is accurate and correct, and in making such analyses as potash and ammonia salts, we are doing it for your protection, and for the protection of the fertilizer consumers of Florida.

In using these salts, in compounding fertilizers, you must either have a chemical analysis of each lot, or you must allow for variations, which their own contracts allow for, otherwise these variations will show up in your completed fertilizers, just as they have been showing.

With renewed assurances of the highest esteem, I remain

Yours very truly, W. A. RAWLS, State Chemist.

VALUATIONS.

The valuations for the current year have been as follows: For available, and insoluble, phosphoric acid, ammonia and potash for the season of 1897-98:

Available phosphoric acid, 4 cents a pound.
Insoluble phosphoric acid, 1 cent a pound.
Ammonia (or its equivalent in nitrogen), 12 cents a pound.
Potash, 5 cents a pound.
If calculated by units:
Available phosphoric acid, 80 cents per unit.
Insoluble phosphoric acid, 20 cents per unit.
Ammonia (or its equivalent in nitrogen), \$2.40 per unit.
Potash, \$1.00 per unit.

With a uniform allowance of \$2.60 per ton for mixing,

sacks, freight, etc.

A unit is 20 lbs., or 1 per cent in a ton. We find this to be the easiest and quickest method for calculating the value of a fertilizer. To illustrate this, take for example a fertilizer which analyzes as follows:

Available phosphoric acid, 6.39x.80	 \$ 5	11
Insoluble phosphoric acid, 1.15x20	 3.3	23
Ammonia, 4.93x2.40	 11	83
Potash, 7.11x1.00		11
Mixing, sacks, freight, etc	 2	60

The above analysis is one of a popular fertilizer manufactured in Jacksonville, Fla., and I am informed that the manufacturer's price is \$27.00 per ton, or within twelve cents of the State Chemist's valuation.

Analyses of Soils for R. M. Brown, Cocoanut Grove, Fla.

	No. 1. Saw Grass Palmetto.	No. 2. Clay.	No. 3. Piney Woods Land.	No. 4. Calcareous Rock.
Moisture	6.56	6.54	0.16	9.29
combination water of	11.95	5.53	1.46	- 2.97
Oxides of iron and alumina	1.40	The state of the s		
Carbonate of lime	61.07			81.60
Sand and insoluble silicates	19.02	*77.16	97.03	6.14
	100.00	100.00	100.00	100.00

No ammonia, no phosphoric acid, no sulphates, no manganese, and no magnesia were present in any of these samples.

I can only say that, from a chemical standpoint, these soils promise very little, except as a base upon which to build; and all of them would, in my opinion, have to be treated with complete fertilizers to make them fertile.

Nos. 1 and 4 consist largely of carbonate of lime; and the

organic matter in No. 1 carries no ammonia.

No. 2 consists largely of sand, and No. 3 almost entirely of sand. No. 2 has some "clay" in the form of iron and alumina, but this contains no potash, and even magnesia seems to be absent in all these samples.

	3	Co.
	Brevard Soil.	Pasco Soil.
Moisture at 212 degrees F	7.72	2.55
Organic matter and water of combination	4.10	2.66
Nitrogen, estimated as ammonia	0.21	0.03
Soluble silica	0.10	0.10
Sand and insoluble silicates	86.73	89.31
Phosphoric acid	0.08	0.75
Oxides of iron and alumina	0.45	4.52
Carbonate of lime	0.59	0.05
Potash, as potassium oxide	0.02	0.03
Magnesia	Trace.	None.
	100.00	100.00

The first of the above was sent by Mr. J. A. Farnell, Jr., of Waveland, Brevard county, Fla. The second by Hon. M. H. Mabry, of Dade City.

Analyses of Soils for Mr. Oliver P. Bingham, West Palm Beach, Fla.

Douois	,		
	Sample on Top.	Sample six inches deep.	sample eigh- teen inches deep.
Moisture in air dried soil	1.400%	0.988%	0.803%
Sand and insoluble silicates	74.430 "	76.280 "	60.300 "
Soluble silica	0.035 "	0.045 "	0.020 "
Oxides of iron and alumina	0.846 "	0.884 "	0.603 "
Carbonate of lime	14.839 "	13.589 "	30.410 "
Phosphate of lime	0.646 "	0.618 "	0.675 "
Carbonate of magnesia	7.287 "	6.804 "	6.216 "
Organic matter and water of		100	
combination	0.517 "	0.792 "	0.973 "
Sulphurie acid	Trace.	Trace.	Trace.
Chlorine	None.	None.	None.
Potash	None.	None.	None.
Ammonia	Traces.	Traces.	None.
	100.000	100.000	100.000

Analyses of Soils for Hon. B. F. Whitner, Orange County.

destant a pleatann	Soil No. 1	Soil No. 2	Subsoil No. 2
Silica and insoluble silicates	82.570%	79.745%	60.100%
Soluble silica	0.070 "	0.065 "	0.035 4
Iron and alumina oxides	6.310 "	7.000 "	9.620 "
Sulphate of lime	0.290 "	0.443 "	5.509 "
Phosphate of lime	0.196 "	0.253 "	0.253 4
Carbonate of lime	1.429 "	1.250 "	10.180 "
Magnesia, carbonate	0.915 "	0.907 "	1.096 4
Potash	0.085 "	0.078 "	0.108
Moisture		5.308 "	6.485 "
Organic matter and water of			7
combination		4.951 4	6.614
Ammonia		None	None
	100.000	100.000	100.000

Analysis of the Water from Artesian Well at Kissimmee. In 100,000 parts of water.

Total solids 12.50 parts
Mineral solids 6.42 parts
Volatile solids (carbonic acid and water of com-
bination) 6.08 parts
Chlorine 0.70 parts
Sulphates None
Nitrites None
Free ammonia 0.0032 parts
Albuminoid ammonia 0.0040 parts
Hardness total9.5 degrees
Hardness permanent
Hardness temporary
The mineral solids are as follows:
Alumina, probably from suspended clay 0.45 parts
Sodum chloride (common salt) 1.15 parts
Calcium oxide (equivalent to 7.01 pts. carb. lime). 4.00 parts

6.42 parts

These results show this to be a most excellent water, the small amount of ammonia, both free and albuminoid, shows

Magnesia oxide (equivalent to 1.72 pts. carb. mag.). 0.82 parts

that it is not in any way polluted with organic matter, which the absence of nitrites also confirms.

We use in this laboratory the method known as Wanklyn's

process, and he interprets his results as follows:

1. More than 7.1 parts per hundred thousand of chlorine, accompanied by more than .003 parts per hundred thousand of free ammonia, and more than .010 per hundred thousand of albuminoid am nonia indicate that the water is polluted with sewage, decaying animal matter, urine, etc.

2. Total solids should not exceed 57.1 parts per hundred

thousand.

3. Water showing less than 5 degrees is termed soft; between 5 and 10 degrees medium, and above 10 degrees hard.

Analysis of water for Mr. F. G. Baldwin, Lake Maitland, Fla.

In 100,000 parts of water. Free Ammonia.... 0.002 parts Albuminoid ammonia 0.002 parts Nitrites None. 2.00 parts Corresponding to sodium chloride 3.30 parts Total solids.... 6.70 parts Mineral solids..... 3.25 parts Hardness 5.00 degs.

This is also an excellent water, the small amounts of ammonia show that it is not in any way polluted with organic mat-

ter, which the absence of nitrites also confirms.

We cannot tell from whence comes the sodium chloride (common salt); it might come from the glazing of the jug, or it may really exist in the water; the amount is not excessive, and is certainly harmless. The hardness is caused by this salt, and not by carbonate of lime or magnesia; there is no magnesia, and practically no lime, and the absence of the latter is certainly remarkable in a water obtained in Florida.

Respectfully submitted,

W. A. RAWLS, State Chemist.

TABLE A. BUREAU OF FERTILIZERS.

W. A. RAWLS, State Chemist.

C. G. HELLMAN, Assistant Chemist.

ANALYSES OF FERTILIZERS.

	-	Phos.	Acid.				GUARA	NTEED A	NALYSIS.		
NAME OF FERTILIZER.	Moisture,	Available.	fasoluble.	Ammonia.	Potash (K2 0).	Moisture.	Available Phos.	nsoluble Phos.	Ammonia.	Potash (K2 0).	By Whom and Where Manufactured.
Ammonia Sulphate Acid Phosphate High Grade. Acme Fertilizer No. 1. Acme Fertilizer No. 2. Animal Bone and Potash. Acid Phosphate Georgia State Standard. Animal Guano Acme Potato Acme Orange Tree, Special. Acid Phosphate Acid Phosphate Acid Phosphate Second Sample. Acid Phosphate, Bradley's Palmetto. Acid Phosphate, Bradley's Palmetto. Acid Phosphate, High Grade. Acme Orange Tree Special. Bone Meal B. D. Sea Fowl Guano. Berkshire Orange Tree, Formula B.	12.48 16.54 11.08 3.75 14.21 6.23 13.64 12.00 12.06 4.14 5.00 4.82 12.48 6.37	13.91 7.41 6.28 4.93 15.99 5.76 5.00 7.42 15.04 16.05 16.71 15.03 13.91 7.55 4.48 8.70	2.46 1.28 2.68 9.14 1.15 8.63 3.50 2.68 1.08 6.97 6.39 1.79 2.46 1.28	4.18 5.44 3.57 6.65 3.74 4.76 6.97 5.27 2.51	7.68 5.00 5.79 0.96 7.96 5.02	13 to 16 16 to 16 6 to 8 14 5 to 7½ 13 to 16 13 to 16 12 10 to 12 10 to 20 12 13 to 16	14 to 1 8 to 8 to 12 to 14 to 14 to 14 to 14 to 14 to 15 to 15 to 16 to 17 to 18 to	9 1½ to 9 1½ to 9 1½ to 13 to 1 2 14 5 3 to 6 1½ to 2 15 1 to 15 1 to 2 6 1½ to 2 6 1½ to 2 12 1 to	2 4½ to 5 26 to 6½ 8 1 to 2 6½ to 7½ 4 3½ to 4 2 4½ 7 2½ to 4½ 2 2 to 3	9 to 10 5 to 6 8 to 10 9 to 10 5 to 6	Standard Guano ard Chem. Co., New Orleans, La Wilson & Toomer, Jacksonville, Fla. John N. Meyer, Maspeth, N. Y. John N. Meyer, M. Speth, N. Y. Union Stock Yards, Chicago, Ill. Southern Fertilizer Co., Savannah, Ga. Thompson & Edwards Fert. Co., Chicago, Ill. John N. Meyer, Maspeth, N. Y. John N. Meyer, Maspeth, N. Y. Standard Fertilizer Co., Charleston, S. C. Little Bros. Fert. & Phos. Co., Jacksonville, Fla. Little Bros. Fert. & Phos. Co., Jacksonville, Fla. Bradley Fertilizer Co., Boston, Mass. Wilson & Toomer, Jacksonville, Fla. John N. Meyer, Maspeth, N. Y. A. C. Berry, Brent, Fla. Bradley Fertilizer Co., Boston, Mass. Berkshire Mills Co., Bridgeport, Conn,

	8 9.79 1.85	
Blood and Bone 6.		
Blood and Bone 7.		7.99 0.44 4 to 5 14 to 17/61/2 to 8 Armour & Co., Chicago, Ill.
Bone Meal and Potash 6.5		5.44 6.55 5 to 10
Bone Meal 7.		5.10 10 to 20 20 to 28 3 to 5 Bradley Fertilizer Co., Boston, Mass.
Bone Meal 5.		6.29 5 to 10 20 to 23 5 to 6 M. L. Shoemaker & Co., Philadelphia.
Blood, Bone and Potash, No. 3 6.		4.76 5.96 to 12 4 to 5 5 to 6 4 to 5 4 to 5 Florida Fertilizer and Mf'g Co., Gainesville, Fla.
Bone and Potash Circle Brand 12.		3.57 2.90 10 to 20 4 to 6 5 to 6 24 to 34 24 to 34 Bradley Fertilizer Company, Boston, Mass.
Bone Meal, Pure 6.		3.74 (8 to 15 18 to 25 3 to 5 Williams & Clark, New York.
Bone, Pure Ground 4.		2.90 8 to 10 8 to 10 14 to 16 3 to 4 Union Stock Yards, Chicago, Ill.
Bone Dust, Pure 3.		1.19 26.67 0.87 Peter Cooper Give Factory, New York.
Blood, Bone and Potash 4.4		5.27 12.13 15 to 18 5 to 6 6 to 8 Wilson & Toomer, Jacksonville, Fla.
Bone and Tankage 5.		7.48 7 to 9 2 to 513 to 15 6 to 8 L. B. Darling Fertilizer Co., Pawtucket, R. I.
Bone and Potash 7.		1.70 9.31 12 4 to 6 5 to 7 11/2 to 2 8 to 10 Williams & Clark, New York.
Bone, Pure Raw Ground 6.		4.08 6 to 9 23 to 23 4 to 5 Standard Guano Chem. Co., New Orleans, La.
Bone, Steamed 3.5		3.16 6 to 7 25 to 27 4 to 5 Little Bros., Fert. and Phos., Jacksonville, Fla.
Bone Pulverized 5.0		4.08 20 3 Wilson & Toomer, Jacksonville, Fla. 3.63 0.39 5 6 22 3 1 Cudahy Packing Co., South Omaha, Neb.
Bone, Pure Pulverized 6.:		3.63 0.63 0.63 1 Cudany Packing Co., South Omaha, Neb.
Bone, Baltimore Soluble		1.77 1.79 10 to 15 10 to 12 1 to 3 1 to 2 Patapsco Guano Co., Baltimore, Md.
Blood and Bone 6.		
Bradley's Bone and Potash		
Bowker's Bone and Potash		2.72 1.99 12 to 16 4 to 5 5 to 6 2 to 3 2 to 3 Bowker Fertilizer Co., Elizabethport, N. J.
		3.06 1.67 16 to 20 8 to 12 1 to 2 2 to 3 1 to 2 Bradley Fertilizer Co., Boston, Mass. 6.19
Blood and Bone, Pigs Foot Brand 8. Baldwin's Dissolved Bone 8.		6.19
Blood and Bone 6.		5.65 2.66 2 to 74 12 to 14
Bowker's Cotton Fertilizer 9.		
Downer's Cotton Pertinger	1.54 4.50	2.38 1.82 12 to 16 7 to 9 1 to 2 2 to 3 1 to 2 Bowker Fertilizer Co., Elizabethport, N. J.
Carey's Extra for Tomatoes 10.:	0 6.08 1.60	4.76 10.21 8 to 15 6 to 8 2 to 3 4 to 5 10 to 12 Southern Fertilizer Co., Orlando, Fla.
Cabbage and Cauliflower 6.	9 6.00 8.58	
Cabbage and Cauliflower, 2d Sample 11.	4 6.65 5.82	3.74 8.696.42 5 to 7 4 to 5 7 to 9 Preston Fertilizer Co., New York.
Cudahy's Blood and Bone 5.1		6.46 0.29 6.5 15.3 7.31 0.25 Cudahy Packing Company, South Omaha, Neb.
Cudahy's Pulverized Bone 5.	13.05 15.35	
Cotton Seed Meal, Bright	Al	3.40 0.19 5 6 22 3 1 Cudahy Packing Co., South Omaha, Neb. 9.18 8.60 Cotton Seed Oil Co., Union Springs, Ala.
Cotton Seed Meal, Bright 8.	2	8.84 T½ to 8 Hugh Pettit & Co., Memphis, Tenn.
Cotton Seed Meal, Bright 7.1	1 2.62	8.67 1 7.77 2.70 8.50 Southern Cotton Oil Co. Montgomery Als
Cotton Boll Guano 12.	0 8.64 4.15	3.03 2.64 12 to 15 8 to 10 1 to 2 2 to 21/2 2 to 3 Southern Fertilizer Co., Savannah, Ga.

Com. Fert. for Truck Growing Form D. 8.92 Corn and Cotton Compound. 15.62 Cumberland Bone Superphosphate. 13.76 Cotton No. 1. 11.90 Complete Orange Tree Manure. 13.60 Cotton Seed Meal, Bright. 6.20 Cotton Seed Meal, Bright. 8.89 Cotton Seed Meal, Dark. 10.96 Cotton Seed Meal, Dark. 2d Sample. 9.89 Cabbage Fertilizer 12.25 Cotton Seed Meal, Bright. 6.49 Chatham Guano 11.19 Cumberland Bone Superphosphate. 8.62 Cumberland Fertilizer 9.36 Cotton Fertilizer 11.63 Cotton Fertilizer No. 1. 10.92	9.18 0.41 8.07 1.58 7.74 4.07 4.87 2.27 2.55 2.46 2.30 8.00 1.15 8.00 2.82 9.09 2.68 8.45 3.86 10.04 1.66 12.35 3.58	1 2.38 8 2.17 7 3.74 2 9.18 5 9.35 5 5.27 0 5.44 4.76 2 9.11 3 2.14 3 2.89 6 3.06 8 3.23	2.53 10 to 15 8 to 12 1 to 3 2 to 3 1½ to 3 Standard Guano Chem. Co., New Orleans, La. 1.64 12 to 16 8 to 11 2 to 3 2 to 3 1 to 2½ Chas. Ellis, New York. 1.12 7.65
Damaraland Guano 18.91	13.06 2.94	6.90	
Durham Blood and Bone 6.23	5.76 8.63		
Dissolved Bone Phosphate 6.11	16.25 1.02	2	12 to 15 13 to 15 1½ to 2½ G. Ober & Sons Co., Baltimore.
Ellis Productive Bone Superphosphate 13.47	9.72 1.98	2.72	2.00 12 to 16 8 to 10 1 to 2 2 to 3 11/2 to 2 Chas. Ellis Savanrah, Ga.
Florida Cuban Tobacco 7.84	8.39 1.85	5.27	5.30 10 to 20 6 to 8 2 to 3 5 to 7 5 to 7 Williams & Clark, New York
Fruit and Vine 12.60	7.23 0.45	2.89	10.25 10 to 20 5½ to 7½ 3 to 4 2¼ to 3¼ 10 to 12 Bradley & Co., Boston, Mass.
Fruit and Vine Fertilizer 11.65	9.21 2.32	3.46	10.96 10 to 12 8 to 10 2 to 4 2 to 4 10 to 12 I. P. Thomas & Son Co., Philadelphia, Pa.
Fruit and Vine Grower 7.55	9.54 1.19	3.40	8.79 12 to 16 7 to 9 2 to 3 21/2 to 3 2 19 to 10 Bowker Fertilizer Co., Elizabethport, N. J.
Fruit and Vine 8.40	8.03 5.16	3.48	
Fruit and Vine Grower 11.26	6.85 0.25	2.25	
Farmers Ammoniated Dissolved Bone 12.74	10.42 2.75	2.47	1.42 12 to 15 8 to 10 1 to 2 2 to 2 4 1 to 14 Southern Fertilizer Co., Savannah, Ga.
Fruit and Vine Fertilizer 11.96	7.64 0.89		12.30 12 to 15 6 to 8 1 to 221/2to 31/2 10 to 12 G. Ober & Sons, Baltimore, Md.
Fruit and Vine Manure 9.65	6.20 1.28	3.06	10.45 9 to 13 6 to 7 1 to 2 2 to 3 10 to 12 H. J. Baker & Bro. New York.
Fruit and Vine Manure 8.92	7.43 0.89	4.00	12.09 8 to 10 5 to 7 2 to 4 2 to 3 10 to 12 Mapes Form and Fe. Gu. Co., Newark, N. J.
Fish and Potash 7.16	3.78 1.72	8.00	5.91 to 12 3 to 4 3 to 4 8 to 9 3 to 5 Florida Fert. Manufacturing Co., Gainesville, Fla,
Fish and Potash 13.04	5.44 2.11	4.25	3.07 10 to 20 5 to 7 31/2 to 31/2 Bradley Fertilizer Co., Boston, Mass.
Fish, Dried 9.15	4.10 3.58	9.86	10 to 15 6 to 7 10 to 12 Bradley Fertilizer Co., Boston, Mass.
Fish, Ground 8.45	11111 9.08	11,05	8 to 12 Wilgon & Toomer, Jacksonville, Fla.

Fruit and Vine FertilizerFish Scrap	7.24 11.6 8.28 6.0	1.79 8 2.75 11	3.57 13.59 5 to 8 8 to 9 2 to 4 2½ to 2½ 11 to 13 Armour & Co., Chicago, III. 11.05 0.75 Florida Fertilizer Mfg. Co., Gainesville, Fla.	
Ga. State St'd. Am. Superphosphate Goulding's High Grade Acid Phosphate Goulding's Bone Compound Grass Manure	13.51 15.60 15.34 8.70	4.35	2.55 3.12 12 to 15 8 to 10 1 to 2 2 to 2½ 2 to 3 Southern Fertilizer Co., Savannah, Ga. 10 to 15 15 to 17 1 to 3	
High Grade Acid Phosphate and Potash. Home Compound High Grade Vegetable. High Grade Fruit and Vine Fertilizer	15.15 7.9 12.06 10.1	0.76	2.13 10 to 15 14 to 16 1 to 3 1 to 3 Goulding Fertilizer Co., Pensacola, Fla. 2.38 1.74 7 to 15 6\(\frac{1}{2}\)to 10 1 to 3 1\(\frac{1}{2}\)to 3 1 to 2 A. P. Brantley Co., Blackshear, Ga. 5.20 6.91 8 to 15 9\(\frac{1}{2}\)to 12 1 to 2 5 to 6 6 to 7 Southern Fertilizer Co., Orlando, Fla. 3.74 10.04 8 6 2 4 10 Cincinnati Dessicating Co., Cincinnati, O.	
ideal Fruit and Vine Manure	6.25 6.3 8.39 7.6 11.93 14.3 4.82 8.3	9 1.15 4 8 1.28 1 8 2.55 2 10.87 7	3.74 11.30 8 to 10 6 to 8 1 to 3 2½ to 4 10 to 12 Wilson & Toomer, Jacksonville, Fla. 4.93 7.11 10 to 12 4½to5½ 1 to 3 4½ to 5 6 to 8 Wilson & Toomer, Jacksonville, Fla. 5.10 10.00 8 to 10 6 to 8 1 to 2 4 to 5 8 to 10 Wilson & Toomer, Jacksonville, Fla. Mobile Phosphate and Chemical Co., Mobile, Al. 7.06 0.48	la.
Kainit Kainit Kainit Kainit	2.76		12.20 12 to 13 Little Bros. Fert. and Phos. Co., Jacksonville, F 12.36 12 to 13 Little Bros. Fert. and Phos. Co., Jacksonville, F 12.24 10.50 Bradley Fertilizer Co., Boston, Mass. 12.70 12 to 13 Frank Adams, Jasper, Fla.	Ma. Ma.
Lettuce Fertilizer	9.27 9.1	0.35	6.29 9.07 10 to 12 8 to 10 1 to 2 5 to 6 10 to 12 Southern Fertilizer Co., Orlando, Fla.	
Mobile Standard Guano	8:62 8.0 18.68 4.7	1.91 E	3.57 3.31 121/4 91/4 11/4 1.65 2 Mobile Phos. and Chemical Co., Mobile, Ala. 5.44 3.99 10 to 12 6 to 8 2 to 4 4 to 5 3 to 4 Mapes Form. and Feru. Guano Co., Newark, N. 5.27 5.33 10 4 to 6 2 to 4 5 to 6 5 to 6 Mapes Form. and Peru. Guano Co., Newark, N. 2 21 2.27 12 to 16 9 to 11 2 to 4 2 to 4 2 to 4 Commercial Guano Co., Savannah, Ga.	J. J.
Nursery Stock	12.70 9.8	6 1.53 8	4.35 2.17 10 to 20 8½-10½ 1 to 2 4½t05½ 1½t05½ 1½t02½ Williams & Clark, New York. 5.27 1.70 10 to 20 9 to 11 1 to 2 4½t05½ 1½t05½ 1½t05½ 1½t05½ 1 Bradley Fertilizer Co., Boston, Mass. 6.97 1.70 8 to 10 8 to 10 4 1½ Mapes Fertilizer Peru. Guano Co., Newark, N.	J.
Ober's Florida Vegetable Fertilizor	0.45 6.9	1.66	4.59 8.88 12 to 15 6 to 8 1 to 2 5 to 6 6 to 8 G. Ober & Sons Co., Beltimore, Md.	

Orange Tree Fertilizer	6.10 11.57 8,82 7.92 10.92 19.80 10.88 4.77 5.05 15.09 6.90	7.85 4.4 7.68 1.1 7.45 1.0 9.15 3.2 4.74 1.7 9.09 3.5 5.38 2.3 8.41 0.6 8.23 0.5 9.34 1.9 9.92 9.7 7.74 3.3	5 5.27 0 4.66 0 3.91 2 5.10 1 2.55 0 4.08 7 4.25 4 5.61 1 5.10 8 4.08 9.45	6.20 10 to 15 6 to 9 2 to 3 4 to 6 6 to 8 Standard Guano & Chem. Co., New Orleans, La. 5.31 10 to 15 8 to 10 3 to 4 2 3\footnote{\frac{1}{2}}\$ to 7 Williams & Clark, New York. 11.78 8 to 10 8 to 10 3 to 4 2 to 5 6\footnote{\frac{1}{2}}\$ to 7\footnote{\frac{1}{2}}\$ M. L. Shoemaker & Co., Philadelphia, Pa. 11.78 8 to 10 8 to 10 3 to 4 2 to 3 4 to 5 Florida Fert. and Mrg Co., Gainesville, Fla. 5.60 10 to 20 6 to 8 2 to 3 3\footnote{\frac{1}{2}}\$ to 6 Bradley Fertilizer Co., Jacksonville, Fla. 5.60 8 to 10 6 to 8 2 to 3 3\footnote{\frac{1}{2}}\$ to 4 to 5 Sloto4\footnote{\frac{1}{2}}\$ lo to 12 Little Bros. Fert. and Phos. Co., Jacksonville, Fla. 5.60 8 to 10 6 to 8 2 to 4 4 to 5 3\footnote{\frac{1}{2}}\$ to 4\footnote{\frac{1}{2}}\$ to 5 Sloto4\footnote{\frac{1}{2}}\$ lo to 12 Little Bros. Fert. and Phos. Co., Jacksonville, Fla. 5.60 8 to 10 6 to 8 2 to 4 4 to 5 3\footnote{\frac{1}{2}}\$ to 4\footnote{\frac{1}{2}}\$ to 5 Sloto4\footnote{\frac{1}{2}}\$ lo to 12 Little Bros. Fert. and Phos. Co., Jacksonville, Fla. 5.60 8 to 10 8 to 10 1 to 2 3 to 4 7 to 9 Little Bros. Fert. and Phos. Co., Jacksonville, Fla. 5.318 10 to 13 2 to 4 8 to 10 5 to 6 3\footnote{\frac{1}{2}}\$ to 4\footnote{\frac{1}{2}}\$ to 6 Bradley Fertilizer Co., Pawtucket, R. I.
No. 1 Peruvian Fish and Guano Mixture Potato Fertilizer Patapsco Guano Potash, High Grade, Sulphate Potash, Sulphate Pineapple Fertilizer Potato Fertilizer Potato Mixture Pineapple Fertilizer Pineapple Fertilizer Pope's Special Sea Island	9.90 12.00 0.38 2.93 8.10 12.39 13.21 7.00 7.00 7.50	6.40 2.8 6.53 6.2 8.83 2.4 7.55 0.9 7.30 0.7 6.59 0.1 4.83 1.1 5.19 1.5 7.00 1.7 10.88 4.0	5 4.08 9 3.06 0 5.71 0 4.93 9 4.42 8 4.08 9 5.78 0 5.78	8.4 6.42
Southern Fertilizer Co.'s No. 1	6.82 6.68 8.12 13.00 9.07 1.55 7.30 13.08	5.77 3.9 4.23 3.1 5.95 3.5 6.41 2.5 11.40 2.5 8.96 3.8 1.55 0.1 6.46 2.0 8.09 2.6	5.78 3.27 4.82 5.1.83 3.74 18.62 2.6.12 4.5.44	2.43 10 to 15 10 to 11 1 to 2 1½to2½ 2 to 3 Patapsco Guano Co., Baltimore, Md. 6.37 10 to 15 8 to 10 3 to 4 3 to 5 6½to7½ M. L. Shoemaker & Co., Philadelphia, Pa. 18.50 Wilson & Toomer, Jacksonville, Fla. 4.75 1 to 2 4 to 5 3 to 5 Wilson & Toomer, Jacksonville, Fla. 5.27 10 to 12 5 to 6 1 to 2 5 to 6 4 to 5 Southern Fertilizer Co., Orlando, Fla.

Scott's Animal Ammoniated Guano. 13.02 Simon Pure No. 1 10.86 Simon Pure No. 2 8.31 Simon Pure Garden 7.79 Strawberry Fertilizer 10.40 Special 9.70 Special Mixture No. 1 7.38 Simon Pure Tomato 11.11 Star Orange Tree Fertilizer 20.21	7.84 9.30 9.30 6.85 5.13 6.97 8.95	0.48 4 2.62 5 1.64 6 2.36 1 1.53 5 2.43 5 1.28 6	4.59 5.44 6.36 3.40 5.10 5.44 6.46	5.95 10 to 12 4 to 5 4 to 6 6 to 7 E. O. Painter & Co., DeLand, Fla. 5.18 8 to 10 6 to 7 1 to 2 5 to 6 5 to 6 Wilson & Toomer, Jacksonville, Fla. 7.51 8 to 12 4 to 5 1 to 2 5 to 6 9 to 11 E. O. Painter & Co., DeLand, Fla. 7.52 10 11 74 10 9 1 to 2 4 to 5 4 to 5 Tygert Allen Fert. Co., Philadelphia, Pa.
Special Strawberry Fertilizer 12.75		0.89	2.38	5.57 8 to 10 5 to 8 2 to 3 2 to 4 3 to 5 Wilson & Toomer, Jacksonville, Fla.
Tomato Fertilizer 8.82 Tobacco Fertilizer 6.70 Tobacco Manure 11.51 Tomato Special 14.15 Tobacco Fertilizer 7.22 Truck Fertilizer 13.48	7.16 4.54 11.25 7.55	0.32 5 1.08 5 0.27 3	5.78 5.44 3.91	6.94 6 to 8 5 to 7 4 to 5 7 to 9 Preston Fertilizer Co., New York. 6.64 8 to 10 5½ to 6 5 to 6 6 to 7 Southern Fertilizer Co., Orlando, Fla. 6.82 10 to 12 4 to 6 5 to 6 6 to 7 Mapes Form, and Peru. Guano Co., Newark, N. J. 2.53 12 to 15 10 to 12 1 to 2 3 to 4 2 to 3 Wilson & Toomer, Jacksonville, Fla. 12.33 8 to 10 7 to 8 1 to 2 3 to 4 13 to 14 Little Bros. Fert. and Phos. Co., Jacksonville, Fla. 3.22 8 to 10 8 to 10 1 to 2 2 to 3 4 to 5 Little Bros. Fert. and Phos. Co., Jacksonville, Fla.
Vegetable Fertil'zer 10.49 Vuelta Abago Tobacco Fertilizer 8.09 Vegetable No. 1 14.40 Vegetable Grower 20.23 Vegetable Fertilizer 9.75 Vegetable Swift Sure 11.62	9.15 8.13 6.02 11.55	2.11 f 0.70 f 0.12 4 2.81 4	4.32	5.26 10 to 50 6 to 8 2 to 3 5 to 6 5 to 6 Bradley Fertilizer Co., Weymouth, Mass. 7.25 8 o 1 9 to 10 1 to 2 5 to 6 6 to 7 Little Bros. Fert. and Phos. Co., Jacksonville, Fla. 3.67 12 to 16 7 to 8 1 to 2 4 to 5 4 to 5 Bowker Fertilizer Co., Elizabethport, N. J. 5.37 10 to 2) 6 to 8 1 to 2 4 to 5 5 to 7 Bradley Fertilizer Co., Boston, Mass. 4.58 10 to 15 9 to 11 5 to 6 3 to 5 4 to 6 M. L. Shoemaker & Co., Philadelphia, Pa.
Vegetable Fertilizer 9.87 Vegetable Manure 6.11 Vegetable 8.28 Vegetable Fertilizer 9.40	7.87	1.47 6 2.20 F	6.38	7.53 10 to 15 6 to 9 1 to 3 4 to 5½ 4 to 6 Standard Guano & Chem. Co., New Orleans, La. 5.25 10 to 12 6 to 8 2 to 4 5 to 8 4 to 6 Mapes Form. and Peru. Guano Co., Newark, N. J. 6.76 8 to 10 7 to 8 2 to 3 4½ to 5 6 to 7 Jacksonville Fertilizer Co., Jacksonville, Fla. 6.68 5 to 8 7 to 9 2 to 3 5 to 5 5 to 7 Armour & Co., Chicago, Ill.
Wilson's Cotton Fertilizer 12.30	7.55	9.08	2.04	3.49 8 to 10 8 to 10 2 to 3 2 to 3 Little Bros. Fert. and Phos. Co., Jacksonville, Fla

TABLE B.

FERTILIZER ANALYSES MADE SINCE LAST ISSUE OF MONTHLY BULLETIN.

SOURCE OF SAMPLE.	NAME OF FERTILIZER.	Moisture,	Available. do	Tusoluble.	Ammonia.	Potash (K2 0).	NAME OF MANUFACTURER.	NAME OF SENDER.
Special sample. Special sample. Official sample.	High Grade Tankage Blood and Bone No 1 Blood and Bone No 2 Cudahy Blood and Bone. Cudahy Puiverized Bone. No. 1 Fruit and Vine. Blood and Bone. Canada Unleached Ashes. Bowker's Vegetable Grower Dissolved Bone Black Cotton Seed Meal. No. 1 Peruvian Fish and Guano Mixture. Orange Mixture No. 2. Canada Hardwood Ashes. Hardwood Ashes. Cypress Ashes. Acid Phosphate. Ground-Fish. Ideal Vegetable Dissolved Bone. H G Acid Phosphate. Cotton Seed Meal. High Grade Blood and Bone. Strawberry Special.	6.30 4.21 8.76 7.73 5.12 7.13 9.77 7.63 8.23 10.63 0.00 14.69 7.65 9.46 10.08 14.57	7.17 6.40 12.22 6.28 5.62 8.77 17.40 5.00 6.40 13.05 8.97 6.01 17.14 18.17	5.11 8.85 16.18 0.89 4.42 2.23 1.27 4.73 2.55 1.28 3.83 1.28 6.64 1.40	3.33 8.00 5.10 1.36 11.22 4.59	0.39 10.47 4.48 10 28 2.74 1.18 1.49	Florida Fert. Manufact'ng Co. Gainesville, Fla Florida Fert. Manufact'ng Co. Gainesville, Fla Imported by C. R. Tysen, Jucksonville, Fla	J D Price, McIntosb, Fla. E O Painter & Co, Jacksonville Fla. G P Ide, Jacksonville

Official samplePig's Foot Brand Blood and Bone	7.21 3.01 3.07 5.78 Wilson & Toomer, Jacksonville, Fla	Wilson & Toomer, Jacksonville, Fla
Official sample . H G Sulphate Potash	1.77 45.76 Imported by Wilson & Toomer, Jacksonville, Flands	
Official sample. Nitrate of Soda	4.61 28.67 imported by Wilson & Toomer, Jacksonville, Fit 1.34 17.34 Imported by E O Painter & Co, Jacksonville Fit 0.12 16.32 Imported by Wilson & Toomer, Jacksonville, Fit 1.32 2.48 Imported by Wilson & Toomer, Jacksonville, Fit 1.32 2.55 7.86 imported by Wilson & Toomer, Jacksonville, Fit	
Official sample . Nit ate of Soda	0.12 16.32 Imported by Wilson & Toomer, Jacksonville, Fig.	
Official sample. Seminole Tobacco Dust	15.27 2.55 7.86 Imported by Wilson & Toomer, Jacksouville, Fla	
	7.61 8.4 1.77 international Oil Co, Selma, Ala	
Official sample Sulpha e of Ammonia	2.00 24.48 Imp-rted by C R T, sen, Jacksonville, Fla 42.66 imported by C R Tysen, Jacksonville, Fla	
Special sample. German Kainit	8.49 12.41	C R Tysen, Jacksonville,
Special sample. German Kainit. Special sample. Phosphate Roca. Special sample. Hardwood Ashes.	11 10 83.26 1 11	B Vanness, Arlington, Fla. B O Painter & Co, Jacksonville, Fla.
Official sample. Nitrate of Soda	1.71	F E Ohlinger, Winter Haven, Fla.
Official sample Strawberry Fruiter	6.55 5.44 2.68 2.55 9.76 Florida Fert. Manufacting Co. Gainesville, Fla.	
Special rample. Stable Manui e	10.60 trace 1.19 0.45	TY G TOWELL, JECKSONYMIC, FIR.
Special sample. Dissolved Animal Bone	11.69 9.89 6.46 8.28	E E Cannou, Gainesville, Fla. J E Ingraham, St. Augustine, Fla.
Special sample. Soft Phosphate No. 1. Special sample. Soft Phosphate No. 2.	0.00	J E Ingraham, St. Angustine, Fla.
Special sample. Soft Phosphate No. 3	1.00	J E Ingraham, St. Augustine. Fla. J E Ingraham, St. Augustine, Fia.
Special sample. Sodium Nitrate. Special sample. Hardwood Ashes.		Wilson & Toomer, Jacksonville, Fia T A Carroll, Guinesville, Fla.
Colored and the colored and th	* William I will be a second of the second o	And the second second

Fertilizers.

The report of the State Chemist sets forth in detail the work done in the Laboratory as to the analyses of commercial fertilizers, soils, rocks, clays, waters, etc., for which no charge has been made. Any farmer, merchant or any one else having anything to be analyzed has had such work done as promptly as possible and with no other cost than that of post-

age or expressage.

I would especially call attention to the report of the State Chemist as to much of the work done in the Laboratory which has been and will be of benefit to farmers and fruit growers. He has also given advice as to the value of linseed meal, cotton seed meal, wheat bran as stock foods, and besides, he has done a good deal of work in adjusting differences between the dealers in fertilizers and fertilizing material and the manufacturers and parties furnishing such material. All of this work, as is hereafter stated, has been at no cost to the parties interested.

The State Chemist also sets forth the amount of work done outside of the Laboratory in the way of traveling over the State taking samples of commercial fertilizers and looking out for violators of the law. From this statement can be seen that the State has been very thoroughly canvassed by him. No charge has been made by the State Chemist for his railroad fare, hotel bills or in doing this work, hence I would request an allowance of five or six hundred dollars be set apart out of the money arising from the sale of fertilizer stamps to cover traveling expenses of the Chemist, and his Assistant, or if the salary of the Assistant was put in the appropriation at eighteen hundred dollars per annum, it would be the same as allowing six hundred dollars for traveling expenses, as the assistant is now paid twelve hundred dollars per annum.

Since the law was changed requiring all moneys to be paid direct to the Treasurer, and only paid out under special appropriation upon warrant of the Comptroller, no detailed account has been kept as to expenditures of this branch of the department, but every account for printing, postage, chemicals, Laboratory, clerk hire, etc., has been paid under approved accounts by warrants on the Comptroller as youchers for the

different expenditures.

The following is a statement of the receipts from sales of fertilizers for each month during the years 1897-1898:

JANUARY 1897.

Total number tens of fertilizer inspected during month, 6,339, of which 6,035 tons were commercial fertilizers, and 304 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$1,584.75.

Amount deposited with State Treasurer, as per receipts, \$1,584.75.

Number inspection labels issued during month, 68,130.

FEBRUARY 1897.

Total number tons of fertilizer inspected during month, 5,351.70, of which 4,509.70 tons were commercial fertilizers, and 842 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$1,337.93.

Amount deposited with State Treasurer as per receipts, \$1,337.93.

Number inspection labels issued during month, 62,310.

MARCH 1897.

Total number tons of fertilizers inspected during month, 3,127, of which 2,584 tons were commercial fertilizers, and 543 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$781.75.

Amount deposited with State Treasurer, as per receipts, \$781.75.

Number inspection labels issued during month, 38,361.

APRIL 1897.

Total number tons of fertilizer inspected during month, 915 of which 605 tons were commercial fertilizers, and 310 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$228.75.

Amount deposited with State Treasurer, as per receipts, \$228.75.

Number inspection labels issued during month, 12,850.

MAY 1897.

Total number tons of fertilizer inspected during month, 668, of which 428 tons were commercial fertilizers, and 240 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$167.00.

Amount deposited with State Treasurer, as per receipts, \$167.00.

Number inspection labels issued during month, 9,876.

JUNE 1897.

Total number tons of fertilizer inspected during month, 1,390, of which 1,090 tons were commercial fertilizers, and 300 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$347.50.

Amount deposited with State Treasurer, as per receipts, \$317.50.

Number inspection labels issued during month, 18,620.

July 1897.

Total number tons of fertilizer inspected during month, 1,060, of which 600 tons were commercial fertilizers, and 460 cotton seed meal.

Amount of tax at 25 cents per ton, \$265.00.

Amount deposited with State Treasurer, as per receipts, \$265.00.

Number inspection labels issued during month, 16,300.

August 1897.

Total number tons of fertilizer inspected during month, 225, of which 165 tons were commercial fertilizers, and 60 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$56.25.

Amount deposited with State Treasurer, as per receipts, \$56.25.

Number of inspection labels issued during month, 2,850.

SEPTEMBER 1877.

Total number tons of fertilizer inspected during month, 1,073, of which 903 tons were commercial fertilizers, and 170 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$268.25.

Amount deposited with State Treasurer, as per receipts, \$268.25.

Number of inspection labels issued during month, 13,116.

Остовев 1897.

Total number tons of fertilizer inspected during month, 1,450, of which 1,320 tons were commercial fertilizers, and 130 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$362.50.

Amount deposited with State Treasurer, as per receipts, \$362.50.

Number inspection labels issued during month, 16,800.

NOVEMBER 1897.

Total number tons of fertilizer inspected during month, 2,194, of which 1,689 tons were commercial fertilizers, and 505 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$548.50.

Amount deposited with State Treasurer, as per receipts, \$548.50.

Number inspection labels issued during month, 27,920.

DECEMBER 1897.

Total number tons of fertilizer inspected during month, 4,093.50, of which 3,584.50 tons were commercial fertilizers, and 509 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$1,023.38.

Amount deposited with State Treasurer, as per receipts, \$1,023.38.

Number of inspection labels issued during month, 49,263.

GRAND TOTAL.

Number tons of fertilizer inspected during year 1897, 27,-886.20, of which 23,513.20 tons were commercial fertilizers, and 4,373 tons cotton seed meal.

Amount of tax on same at 25 cents per ton, \$6,971.56. Number inspection labels issued during year, 336,396.

JANUARY 1898.

Total number tons of fertilizer inspected during month, 7,392.90, of which 6,842.90 tons were commercial fertilizers, and 550 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$1,848.22.

Amount deposited with State Treasurer, as per receipts, \$1,848.22.

Number inspection labels issued during month, \$80,554.

FEBRUARY 1898.

Total number tons of fertilizer inspected during month, 5,101, of which 4,751 tons were commercial fertilizers, and 350 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$1,275.25.

Amount deposited with State Treasurer, as per receipts, \$1,275.25.

Number inspection labels issued during month, 57,090.

MARCH 1898.

Total number tons of fertilizer inspected during month, 4,450, of which 3,865 tons were commercial fertilizers, and 585 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$1,112.50.

Amount deposited with State Treasurer, as per receipts, \$1,112.50.

Number inspection labels issued during month, 51,485.

APRIL 1898.

Total number tons of fertilizer inspected during month, 533, of which 233 tons were commercial fertilizers, and 300 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$133.25.

Amount deposited with State Treasurer, as per receipts, \$133.25.

Number inspection labels issued during month, 8,820.

MAY 1898.

Total number tons of fertilizer inspected during month, 162, of which 102 tons were commercial fertilizers, and 60 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$40.50.

Amount deposited with State Treasurer, as per receipts, \$40.50.

Number inspection labels issued during month, 2,816.

JUNE 1898.

Total number tons of fertilizer inspected during month, 740, of which 640 tons were commercial fertilizers, and 100 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$185.00.

Amount deposited with State Treasurer, as per receipts, \$185.00.

Number inspection labels issued during month, 9,760.

JULY 1898.

Total number tons of fertilizer inspected during month, 380, of which 200 tons were commercial fertilizers, and 180 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$95.00.

Amount deposited with State Treasurer, as per receipts, \$95.00.

Number inspection labels issued during month, 6,060.

AUGUST 1898.

Total number tons of fertilizer inspected during month, 263.50, of which 90 tons were commercial fertilizers, and 173.50 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$65.88.

Amount deposited with State Treasurer, as per receipts, \$65.88.

Number inspection labels issued during month, 4,550.

SEPTEMBER 1898.

Total number tons fertilizer inspected during month, 713.25, of which 673.25 tons were commercial fertilizers, and 40 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$178.21.

Amount deposited with State Treasurer, as per receipts, \$178.31.

Number inspection labels issued during month, 10,090.

Остовек 1898.

Total number tons of fertilizer inspected during month, 1,323, of which 843 tons were commercial fertilizers, and 480 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$330.75.

Amount deposited with State Treasurer, as per receipts, \$330.75.

Number inspection labels issued during month, 18,578.

NOVEMBER 1898.

Total number tons fertilizer inspected during month, 1,946.38, of which 1,656.38 tons were commercial fertilizers, and 290 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$486.59.

Amount deposited with State Treasurer, as per receipts, \$486.59.

Number inspection labels issued during month, 26,460.

DECEMBER 1898.

Total number tons fertilizer inspected during month, 2,342.13, of which 2,182.13 tons were commercial fertilizers, and 160 tons cotton seed meal.

Amount of tax at 25 cents per ton, \$585.53.

Amount deposited with State Treasurer, as per receipts, \$585.53.

Number inspection labels issued during month, 29,628.

GRAND TOTAL.

Number tons of fertilizer inspected during year 1898, 25,-347.16, of which 22,078.66 tons were commercial fertilizers, and 3,268.50 tons cotton seed meal.

Amount of tax on same at 25 cents per ton, \$6,336.78. Number inspection labels issued during year, 305,891.

State Prison.

All persons convicted of offenses in the County Criminal Courts of Record and in the seven Circuit Courts of the State of Florida during the year 1897, and sentenced to confinement at hard labor in the State Prison, were worked by Hon. E. B. Bailey, Messrs. T. G. and J. A. Cranford, and Messrs. West Bros., and their sub-lessees, under a contract made with them by the Board of Commissioners of State Institutions, January 1, 1894. These contracts all expired January 1, 1898, and by the direction of the Legislature of 1897, the said State Board of Commissioners of State Institutions entered into a new contract with Messrs. A. H. West, of Madison, Fla.; R. J. Knight, of Crystal River, Fla.; S. L. Varnadoe, of Winn, Fla., and W. N. Camp, of Albion, Fla., to take all persons sentenced by the different courts of Florida to imprisonment at hard labor in the State Prison, for four years, commencing January 1, 1898, each contractor giving bond for five thousand dollars for the faithful performance of his contract, and agreeing to pay to the State Treasurer, annually, the sum of five thousand, two hundred and fifty dollars, payable on the first days of January and July of each year, being a total of twenty-one thousand dollars per year. The prisoners are taken at the various county jails and the State is at no expense for such prisoners after sentence is pronounced. This last contract is dated May 22, 1897, as it was of that date that the Legislature directed the Board of Commissioners of State Institutions to make the contract for the hire of State convicts for the period of four years commencing January 1, 1898.

Some of the contractors, where lease expired December 31, 1897, are still due part of the amount agreed to pay, which

will be adjusted this year.

The prisoners have been worked during the past two years in the mining of phosphate and the manufacture of naval stores, by the different contractors and their sub-contractors. Following the various tables showing ages, sex, etc., will be found reports from nearly every convict camp as well as from

the chaplain.

Complaints having been made by citizens of some of the counties in which the convicts were worked, the Commissioner of Agriculture requested the judges of the Circuit Courts of the several circuits where there were convicts, to direct the grand juries of the counties to investigate the treatment of convicts. The Judges kindly called the atten-

tion of the grand juries of the counties of Citrus, Lafayette, and Washington to this matter and investigations were made which resulted in much good to the prisoners and will cause the parties who work convicts to be more careful in the future.

It is earnestly desired that the next Legislature will authorize the employment by the Governor, Board of State Institutions, or Commissioner of Agriculture of a responsible man tovisit each place where convicts are worked, monthly, and report upon each camp as to treatment of prisoners, their health and all other matters pertaining to their care, custody and maintenance. This agent could also attend to the business of looking after the pardon or commutation of deserving prisoners, as did the late Col. W. R. Moore. The salary of this agent or officer should be such a sum as would justify the employment of an intelligent and competent man. These reports should be made to the Governor or Commissioner of Agriculture, and by them reported to the Board of Commissioners of State Institutions.

The convict camps at Call, Fla., worked by Capt. J. D. Johnson; Wetappo, Fla., worked by Messrs. J. A. Donolson & Co.; at Cook, Fla., and at Buckhorn, Fla., worked by Messrs. Saunders & Rose, were discontinued last fall.

The various tables and reports following this show everything so fully that there is no need to make further comment.

Marie 12 Gr. 4 and 1 and 2 and 1 and 1 and 1

TABLE No. 1.

TABLE NO. 1.	
Convicts on hand January 1, 1897	656
Convicts committed during year	360
Recaptured during year	4
	1 000
Total	1,020
	118
Convicts discharged by expiration of sentence	251
Convicts pardoned during year	6.
Convicts died during year	29
Convicts escaped during year	37
Convicts discharged for new trial	4:
Convicts committed to asylum	1
Convicts remaining on hand December 31, 1897	692
Total	1,020
15 15 15 15 15 15 15 15 15 15 15 15 15 1	
TABLE No. 2.	
SHOWING NATIVITY, SEX AND COLOR OF CONVICTS	Com
MITTED DURING YEAR 1897.	
	THEO IS
Florida	157.
Georgia	722
North Carolina	28
South Carolina	181
Alabama	28:
Tennessee	5
Virginia	6-
Texas	1
Mississippi	2
Louisiana	3
Pennsylvania	4:
Missouri	P
Delaware	1
Oregon	11
New York	4
Massachusetts	2
Illinois	10
West Indies	4
Austria	N
	1744

Kngland	9
	2
Bahama Islands	1
Ireland	2
Germany	1
Georgetown, B. G	1
N. Wales	1
m-4-1	360
Total	300
Natives	338
Foreign born	22
The state of the s	
White males	57
Colored males	288
Colored females	14
White females	1
Ti fitte remaies	
m - N 0	
TABLE No. 3.	
CRIMES FOR WHICH SENTENCED DURING YEAR	1897.
Breaking and entering	93
Breaking and entering	93 23
Breaking and entering	93 23 31
Breaking and entering. Murder. Assault to murder. Cheating.	93 23 31 1
Breaking and entering	93 23 31 1
Breaking and entering. Murder. Assault to murder. Cheating. Fraudulently altering mark on animal. Larceny (animal).	93 23 31 1 1 5
Breaking and entering. Murder	93 23 31 1 1 5
Breaking and entering. Murder	93 23 31 1 1 5 2 4
Breaking and entering. Murder	93 23 31 1 1 5 2 4 20
Breaking and entering. Murder	93 23 31 1 1 5 2 4 20 20
Breaking and entering. Murder. Assault to murder. Cheating. Fraudulently altering mark on animal. Larceny (animal). Larceny (cow). Larceny (hogs). Larceny. Second larceny. Grand larceny.	93 23 31 1 1 5 2 4 20 20 84
Breaking and entering. Murder	93 23 31 1 1 5 2 4 20 20 34 4
Breaking and entering. Murder	93 23 31 1 1 5 2 4 20 20 84 4 2
Breaking and entering Murder Assault to murder Cheating Fraudulently altering mark on animal Larceny (animal) Larceny (cow) Larceny (hogs) Larceny Grand larceny Grand larceny Robbery Bigamy Burglary	93 23 31 1 1 5 2 4 20 20 34 4 2 5
Breaking and entering Murder Assault to murder Cheating Fraudulently altering mark on animal Larceny (animal) Larceny (tow) Larceny (hogs) Larceny Grand larceny Grand larceny Robbery Bigamy Burglary Obtaining property under false pretense	93 23 31 1 1 5 2 4 20 20 84 4 2
Breaking and entering Murder Assault to murder Cheating Fraudulently altering mark on animal Larceny (animal) Larceny (tow) Larceny (hogs) Larceny Grand larceny Grand larceny Bigamy Burglary Obtaining property under false pretense Obstructing railroad train	93 23 31 1 1 5 2 4 20 20 20 84 4 2 5 4
Breaking and entering Murder Assault to murder Cheating Fraudulently altering mark on animal Larceny (animal) Larceny (cow) Larceny (hogs) Larceny Second larceny Grand larceny Robbery Bigamy Burglary Obtaining property under false pretense Obstructing railroad train Larceny (logs)	93 23 31 1 1 5 2 4 20 20 20 34 4 2 5 4 1
Breaking and entering Murder Assault to murder Cheating Fraudulently altering mark on animal Larceny (animal) Larceny (cow) Larceny (hogs) Larceny Second larceny Grand larceny Bigamy Burglary Obtaining property under false pretense Obstructing railroad train Larceny (logs) Receiving stolen goods	93 23 31 1 1 5 2 4 20 20 20 34 4 2 5 4 1
Breaking and entering Murder Assault to murder Cheating Fraudulently altering mark on animal Larceny (animal) Larceny (cow) Larceny (hogs) Larceny Second larceny Grand larceny Bigamy Burglary Obtaining property under false pretense Obstructing railroad train Larceny (logs) Receiving stolen goods Murder (second degree) Forgery	93 23 31 1 1 5 2 4 20 20 84 4 2 5 4 1 1 1 3
Breaking and entering Murder Assault to murder Cheating Fraudulently altering mark on animal Larceny (animal) Larceny (cow) Larceny (hogs) Larceny Second larceny Grand larceny Bigamy Burglary Obtaining property under false pretense Obstructing railroad train Larceny (logs) Receiving stolen goods Murder (second degree)	93 23 31 1 1 5 2 4 20 20 84 4 2 5 4 1 1 1 3

Lewd and la								0
Arson								9
Attempt at	arson							1
Resisting off	ficer							2
Fraudulently	altering	mark o	n ho	gs				1
Manslaughte	r							8
Extortion of	monev							1
Polygamy								2
Driving catt	le on railr	oad tra	ok					2
Rape	io on runn							1
Assault to ra	na							7
Perjury								4
Assisting pri	conora to	000000						1
Embezzleme	sollers to	escape						2
								1
Second (gra								4
Keeping gar	noning roo	om						-1
Procuring fe	male for	prostit	ution.					1
Assault to co	ommit ma	anslaug	nter.					1
Obtaining m	oney und	er raise	prete	ense			* * * *	1
Entering rai	lroad car	• • • • • •	• • • • •					2
Robbery fro	m the per	rson						2
Uttering for								- 1
Attempt at								1
Not given							***	4
		4 101					-	200
Total								360
		m						
		1.	ABLE	4.				
TERM OF IM	PRISONME	ENT OF	Con	VICTS	Con	MMITT	ED D	URING
			BAR 1					
1 month	A. D. C. L.			S. 4			-	3
3 months								7
4 months	The second							6
5 months								2
6 months			1120					39
7 months		2 41		wife,			- 376	4
8 months		P Bass			100	100	3 4 7	4
9 months		A 1 -10	E		Rich		+ 1	-7
1 year .		3	9 9 16	1 - V	100		1 3 7 5	92
1 year and 2	months		120		1		100	1
1 year and 2	month		- 50		2 4	1 200 11	732.5	2
1 year and a			1			1	3 4314	1
T vear and 4	+ months		17 14 1	7 81		-	7 6 000	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN

1 year and 6 months		9.00	1	131		- 4	8
1 year and 7 months							1
1 year and 8 months			-	1. 1			2
2 years			1000			. 13	46
2 years and 1 month		41.9	15203	-		-	1
2 year and 6 months				1 3.5		a la artic	4
8 years							22
3 years and 2 months						5 . 6.	2
3 years and 6 months		-			700		1
4 years							3
5 years			1123			No.	28
5 years and 2 months	100						3
6 years							4
6 years and 6 months	4199					THE PARTY OF	2
7 years			1.00				3
8 years		-04		1000		- Committee	5
9 years		3		- 4.4			1
10 years		-	33.7		-		16
11 years						1000	1
11 years						3.5	î
12 years		- ·				1000 mg	7
15 years	1						i
17 years							î
19 years		•					4
20 years							21
Life		*					4
Not given				r dis	-		*
Total						1981	360
				A.			
			-				
The second of the second of					and the		an arts
	T	ABLE	5.				
AGE OF PRISONE	RS Cor	MITT	RD D	URIN	G YE	AR 18	97.
							HOLD THE
10 years	3 %						1
12 years					-10		4
13 years					v		3
14 years	3.5						8
15 years	Water.				4		11
16 years			1				8
17 years	1 100					8 -	22
18 years	19 3	1				-	19
19 years	4 .			-	15.4		30
20 years				C 300	HOSE	ST. IS	24
21 years			*	19.11	W. Park	200	. 22

								100		
22 years	A PLAN			E YES	1000		1			23
23 years			100	1						23
24 years			1835	PLES						24
25 years										17
26 years			151	- 13						15-
27 years	7			1			19. 7			18
28 years		60			- 6		-			11
29 years		25) N								5
30 years						3.3				8
31 years		17.5								1
32 years										4
33 years					4		E16.	4.		5
24 Poore	1110 2						1			5
34 years										6.
35 years				250						4
36 years										1
37 years					3.3	3				3
39 years 40 years										3
41 magra	# 1		110	2.35				3. 8		2
41 years		1						100		2
44 years		***				18.70				6
45 years		-		GIL	TO BE					1
46 years										2
47 years			- 50					52.31		3
48 years	The state of	400					SOUS			2
49 years					9.4					2.
50 years	2 3						-01153			1
51 years	1 1									1
53 years	1 1									1
55 years	AT THE			-15				-		ì
56 years					*			UP 35		1
57 years	THE PER			10.		***				ī
60 years										3
64 years								2.5		1
65 years	- 1					-		1 3		i
66 years						800		1		i
67 years	-			*	2 -0 1	1	E TO		12	
m-4-1							3		6,50	360
Total	200									200

Table No. 6.
Pardoned During Year 1897.

Sam Pearson		Catala			S	Pardoned.			
	Color.	Crime	Term.	When.			County Where.	Pardoned.	
	Black Brown	Robbery Robbery Manslaughter	Life Life Five Years	Feb.	13,	1892	Brevard Brevard Duval	June 11,	1897
Robert Grant	Brown White	Grand Larceny	Five Years Two Years	May June	19,	1896 1897	Suwannee	May 26, Aug 25,	189

TABLE No. 7. Escaped During Year 1897.

							Escaped.				
armer Williams. 22 year no B Riley	Color.	Crime.	Term.		W	hen.	County Where	P	scap	ea.	
Parmer Williams. Jno B Riley	years	Black White Brown Yellow Black White Black Yellow Yellow Yellow Brown	Rape	Life 20 years Life Life 5 years Life 20 years Life 10 years Life 4 years years 10 years Life 4 years years 10 years Life 4 years years 10 years	Mch April Jan Feb Feb Nov Dec April April May Aug Oct Nov Dec Mch April April April April April April April Aug Oct May May May Mch April April Aug Oct Mch April Aug Oct Mch April Aug Oct Mch April Aug Oct Mch April Mch Appril Mch Apprin Mch Appril Mch Apprin	20, 27, 13, 4, 25, 11, 6, 16. 30, 28, 29, 20, 24, 13, 21. 18, 4. 9, 9. 22. 15, 15,	1888 1889 1891 1892 1893 1893 1894 1894 1894 1894 1895 1895 1895 1896 1896 1896 1896	Gadsden St. Johns Volusia. Leon Hamilton Jackson Orange. Leon Putnam Duval Columbia. Duval Alachua Duval Clay Marion. Suwannee Escambia. Volusia Suwannee Suwannee Suwannee	July Dro May Aug Moh July Aug April June June June June June June June June	20, 30, 7, 18, 27, 28, 15, 7, 28, 18, 29, 19, 29, 11, 28, 16,	1897 1897 1897 1897 1897 1897 1897 1897

Ben Johnson 35	years Brown. Grand larceny	7.
John Howard 28	years Brown Larceny	
Henry Jones 23	years Brown. Breaking and entering 3 yrs 6 m Aug 25, 1896 Putnam April 28, 189	7.
Walter Munroe 23	years Brown. Arson	7.
Henry Scott 23	years Yellow. Breaking and entering 2 yrs 8 m Oct 27, 1896 Duval June 1, 189	7.
Lena Hayes 19	years Brown Murder second degree . Life Dec 7, 1896 Leon June 15, 189	
Clarence Kreger 30	years White Breaking and entering 2 years Dec 5, 1896 Dade Sept 23, 189	7.
Jas J Johnson 24	years White Breaking and entering 3 years Mch 5, 1897 Putnam Nov 15, 189	7.
Jno Johnson, alias		
Will Jones. 30	years Brown. Assault to murder 10 years Mch 5, 1897 Putnam Aug 11, 189	7.
Alonzo Caruthers. 18	years Brown. Breaking and entering 9 months Mch 19, 1897 Bradford Nov 22, 189	7.
Arthur Harris 21	years White Breaking and entering 1 year April 28, 1897 Putnam Sept 189	7.
Wm Jackson 35	years Yellow. Assault to murder 5 yrs 60da May 14, 1897 Suwannee May 29, 189	7.
Birt Snell29	years White Maint'g gambling house 2 years Dec 5. 1895 Duval July 189	7.

TABLE No. 8.
DIED DURING YEAR 1897.

					SENT	ENCED.			
Name.	Color.	Crime.	Term.		When.	County Where.		Died.	Disease.
Daniel Blake	Blec's	Murder	Life	Meh	16. 189	St. Johns.	Jan	7. 1897	Not given.
Pony G dwin	Black	Murder	20 years	Nov	16. 188	Suwannee	May	11, 1897	Not given.
ige Selph	Black	Breaking and Entering	10 years	Dec	-15, 189	Volusia		-1897.	Not given.
leorge Stewart	Black	Breaking and Entering	10 years	May	16, 189	Alachus	Ju e	10, 1897	Not given.
Idam Hicks	Black	Aiding Prisoner to Escape	5 vears	Sent	1, 189	Hamilton	June	19, 1897	Not given.
olin Durger	Brown	Rape	Life	Sept	6, 189	Hamilton	Mch	2. 1897.	Not given.
Jethun L.vone	Red	Breaking and Entering	8 years	Feb	15, 189	Lake	March	1897	Not given.
ohn Lester, alias	100u	Dicaming and Emering					1		
Chae Harrison	White	Breaking and Entering	11 years	Nov	10 189	St. Johns.	Oct	7. 1897	Heart disease.
Wade Sheppard	Brown	Arson	7 years	June	28, 189	Putnam	March	1897	Killed by guard, tried to escape.
John Cerlton	Brown	Assault to Rape	20 years	Oct	15, 189	Hillsboro	Feb	9. 1897	Not given.
Daga Voung	Black	Assault to Murder	24 years	Jan	1, 189	Duval	Mch		Not given.
on Murdock	Black	Breaking and Entering	5 vears	Jan	8 189	3 Citrus	Feb		Not given.
Losos Warren	Brown	Breaking and Entering	2 years	April		Marion			Not given.
ohn Hebbens	Brown	Lewdly Cohabiting	2 years	July	16, 189	3 Monroe			Not given.
leorge Burdon	Yellow.	Larceny	3 years	Aug		Duval			Killed by guard, tried to escape.
tharles Wright	Brown	Breaking and Entering	10 years	Sent	16, 189	B. Escambia .	June	2. 1897	Not given.
eo. Washington	Vellow.	Breaking and Entering	1 year	Oct	26, 189	Marion	fuly	17, 1897	Not given.
oseph Bronsen	Brown	Second Larceny	6 months	Oct	28, 189	B. Duval	Jan	28. 1897	Not given.
		Perjury				B. Hamilton			Not given.

Walter L Chamber-					77	
laig Wh	ite Attempt to commit Robbery 3	years Nov	6, 18	396 Duval	July 21,	, 1897 Not given.
Willie Williams Bro	wn Assault to murder5	years Nov	20, 18	Suwannee	Mch 8,	, 1897 Killed by guard, tried to escape.
Allen Anderson Bro	wn. Breaking and Entering 1	year Dec				, 1897 Killed by car.
John Turner Bro	wn. Breaking and Entering 2	years Mch	8, 17	797 Putnam	Sept 30	, 1897. Dropsy of heart.
Willie Lawson Blac	ck Breaking and Entering 4	months Mch	19, 18	397Duval	May 16.	, 1897 Not given.
Charles Ross Blac	ok . Entering without Breaking 1	year Mch	22, 18	397 Marion	Dec 1	, 1897 From an old burn.
Henry Mason Black	ck Breaking and Entering 6	months May	26, 18	97 Washington	Oct 8.	. 1897 Congest'n of brain
James Jones Wh	ite Murder 1st Degree L	ifeJune	12, 18	397. Lafayette (Oct 23,	, 1897. Not given.
Sandy Saunders Black	ck Assault to Murder	months Nov	4, 18	397 Lake 1	Dec 4	, 1897 Not given.
Arthur Daughtry Wh	iteLarceny of Animal 2	years Aug	5, 18	397 DeSoto	Dec 8	, 1897. Not given.

TABLE No. 9.

onvicts on har								692
onvicts comm	itted dur	ing th	he yea	ar			· 2	334
ecaptured dur	ring year							7
Total .							-	1,033
								Will and
		9 10 7	37.3					
onvicts discha	arged by	expir	ation	of s	enten	ce		237
onvicts pardo	ned duri	ng ye	ar					15
onvicts died d	during ye	ear					1.0	40
onvicts escape	ed during	year						21
convicts discha	arged for	new	trial					1
onviets comm						3.14	10	2
convicts remai	ning on l	hand I	Decen	ber	31.18	198		717
					,		200	
Total .			1.					1,033
					1			
		AV NEED	TOWN.					
		TABLE	No.	10.				
Florida .								158
		NG Y	EAR J	000.				
deorgia .								61-
Virginia .			100					5
North Carolin								16
South Carolin	ıa .						0000	28
Alabama .								19
West Indies								14
New York	1.							2
Germany .					57 100	500		2
Arkansas .								2
Cuba .								2
Maryland							-	1
Tennessee						-		3
Illinois .	100					30.0		2
Texas								1
Not given	-			THE PERSON		1	3 185	3
Denmark	12 745	10000	301	9/4		1433	1 63	1
	A RESIDEN				-	-		3
	18-81	THE REAL PROPERTY.	100		35 JOE	8 (3)		1
				GIA :	1	13.0	3/3/2	4
	Control of the contro			8 33	113		118 3	
Pennsylvanja Italy Mississippi								

District of	Columb	ia	. 8			100	1		1
Australia .	A H & O		TAN E			1	194		
Maine .									the state of the s
France .								6	1
Iowa .						100			1
Ohio .							-		1
					7			-	
Total .		. 8							334
				100					
1									co
	rn .		**					-	
Natives .				N. Cal	100	0.00	1.7-		512
			The state of						
		-							50
Colored ma	ales .								269
White fer	nales						1		2
							1		13
Total .									334
			-						
		. 4	LABLE	No	. 11.				
CRIME	s FOR W	нісн	Сом	(ITTI	ed Du	RING	YEA	R 189	8.
Australia									
									21
	conj			130	100		J 1300		20
	milding								
Entering o	il road	ar							3
Procking is	and ont	orino			-			TORRE	
Dreaking	and ent	GIIII	•		3 7				
Resisting	mcer		1					•	
Larceny de	omesuo a	a bol	al			-	The state of	300	
	asciviou	s bei	lavior						
				•	-		1		
Margard distribution (continued) in section									
					110			***	The state of
	200	*			1				
Bigamy			1			-			
Larceny (h	log)				1 3	1.3		1	
Receiving	stolen	good	S						
					18.11	*			
							1	10 1	
Uttering f		-	1000	1		V. 1		1	4
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Attempt to corrupt	juror						-	1
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Arson				1 19		- 5		2
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Obtaining property	unde	r tai	se pro	etense	18	22.	* 18	3
Robbery	•				1 1		*	07.00
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Larceny (logs)					The second		1	1
Burglary .	. 1							5
Imputing want of c	hastit	y to	marr	ied te	male			1
Common and note	orious	th	iet					1
Entering .							3. 1Z	1
Poisoning drink					-			1
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Rape			•					1
Total .				o. 12.	1022			334
TERMS OF SENTI	ENCE	-		VICTS	Con	MITT	ED L	URING
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6 months .			HAII.	93.				18
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Total						-			334
AGE OF (JONVI	CTS	COM	HITTEI	וע פ	JRING	YE	R 189	8.
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5 years			7			Di Bi			8
6 rears		•				•			18
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67 years		3 7 18	100						1
or years		5	23.5			a Bel			Taraka .
Total	4.	1.	510	4			3.6		334

Table No. 14.

Pardoned During the Year 1898.

			-	SENTER	Pardoned.	
Name.	Color.	Crime.	Term.	When.	County Where.	rardolleu.
Wm Willingham	White	Murder, 1st degree	Life	July 19, 1884		May 3, 1898
ewis Mitchell	Copper	Assault to robbery	Life	April 10, 1891		April 11, 1898
Selford E Branch	White	market decree	Life	Nov. 11, 1893		Jan. 24, 1898
red Thompson	White	The state of the s	20 years	Mch. 17, 1894		Feb. 8, 1898
David Y Russell	White		15 years	Mch. 27, 1895		July 5, 1898 July 5, 1898
J Messer	White	Breaking and entering	4 years	Nov. 30, 1895 June 12, 1897		March 16, 1898.
ose Borders	Brown	Breaking and entering	1 year 2 years	Oct. 26. 1896		June 3, 1898
ohn F Drew	White	Keeping gambling room		Sept. 11, 1897		April 14, 1898
ames Condon	White	wee bink Ramoning toom	1 year	Бери. 11, 100	Duvammi	
ohn Hendry, alias Tob Hendry	White	Larceny of cattle	1 vear	Oct. 29, 1896	DeSoto	Feb. 7, 1898
rancisco Hernande	and the state of t	Larceny or carrie	300			3
Gonzalez	White	Grand larceny	1 year	Nov. 10, 1897	Monroe	May 23, 1898
iguel Perez	White	Grand larceny		Nov. 10, 1897	Monroe	May 23, 1898.
rank Wynn	Brown	Murder	2 years	Noy. 29. 1897	Jackson	Sept. 30, 1898 .
ouis McHenry	White	Assault to murder	1 year	May 5, 1898	Walton	Nov. 30. 1898
C Toll	White	Keeping gambling room	2 yrs. 1 mo.	July 1, 1898	Duval	Sept. 30, 1898

TABLE No. 15.

DIED DURING YEAR 1898.

					Sı	ENTE	NCED.						
Name.	Color.	Crime.	Term.	w	hen.		County Where.		Died		Disease.		
Wade Sheppard	Brown	Rape	Life	Nov	11,	1892	St. Johns	Aug	24,	1898	Killed by guard while trying to escape.		
Giles English	Black	Murder	Life	July	17.	1893	Brevard	Dec	24,	1898	Not given.		
aborn Brown	White	Murder	Life	Oct -	28.	1893	Walton	Jan	1,		Not given.		
John Alva	Black	Assault to murder	7 vears	Nov	10,	1893	St. Johns	Aug	19,	1898	Not given.		
Thomas Wilson	Yellow.	Grand larceny	5 years	Aug	31,	1894	Duval	Nov	5,	1898	Syphilis.		
Robt Dennison, Jr.	Brown.	Grand larceny Murder	5 years	Oct	19,	1894	Marion	July	22,		Not given.		
lames E Miller	Brown	Burglary	10 years	Nov	15.	1894	Lee	Aug	28,		Not given.		
William Dixon	White	Murder, 2d degree	Life	Dec	16.	1893	Lafavette	Nov	28,		Pneumonia.		
Elbert Jones	White.	Murder	Life	July	26,	1895	Hamilton	Aug	9,	1898	Caught between cars.		
William Johnson	Brown	Breaking and entering	15 years	Nov	13,	1895	Suwannee	Feb	4,	1898	Not given.		
Needham Rouse	Brown.	Assault to murder	5 years	l'eb	9,	1896	Duyal	April	20,	1898	Not given.		
John Mills	Black	Assault to murder	7 years	May	19.	1896	Suwannee	July	1,	1898	Not given.		
Russell Clausell	Brown.	Breaking and entering	2 years	May	18,	1896	Escambia	Jan	16,	1898	Piles and stricture.		
John Hudgens	Black	Arson	6 years	Nov	29,	1898	Jackson	Dec	18,	1898	Not given.		
Robt Bowles	Black	Second larceny	24 years	Oct	29,	1896	Duval	Aug	9,	1898	Not given.		
Ed Corpey	Brown	Perjury	3 years,	Nov	28,	1896	Columbia	July	30.	1898	Not given.		
Charlie Lawsen	Brown	Second larceny	2 years:	Dec	8,	1896	Duyal	June	5,	1898	Not given.		
Daniel Deval	Black	Grand larceny	3 years	Jan	11,	1897	Monroe	Mch	7,	1898	Killed by guard while trying to escape.		
William Jones	Brown.	Assault to murder	3 years	Mch	25.	1897	Lake	Oct	12.	1898	Killed by car.		

Ji Jo	m Gaston hn Johnson	Brown . Brown	Assault to rape	20 years 15 years	July			Escambia				Killed by	bank	caving
G	eo Washington	Black	Breaking and entering	1 year	Oct	5, 1		Duval Volusia						
Is	aiah Larkin	Yellow.	Grand farceny	fife	Oct			Madison				Not given.	Mig AV	
Be	n Williams	Black	Larceny hogs	1 year	Oct	5. 1	897	Marion	July	10,				
Be	mjamin Grice	White	Larceny domestic animal	2 years	Ot	26, 1	1897	DeSoto	Oct	11,	1898	Not given.		
Si	las Washington	Brown.	Breaking and entering	64 years	Nov	4, 1	1897	Nassau	June	22,	1898	Killed by	guard	while
T.	m Johnson	77.11	0	Standa TV					4 4	10	1000	trying to	escape	
G	Cummings	renow.	Second larceny	4 years	Nov			Escambia						
W	ill Melton	White	Breaking and entering Murder 1st degree	I year	Fob			Hamilton						mbila
		wille.	murder 1st degree	Lille	reo	0, 1	1080					trying to		
G	eorge Cooper	Brown	Assault to murder	10 years	Feb	2, 1	1898	Escambia	June	17.	1898	Killed by	guard	while
			Larceny second offense									trying to Killed by	escape	while
M	onick Alexander	Black	Assault to murder	3 months	April	25, 1	1898	Leon	May	28.	1898	Killed by	guard	while
A	ex Thompson	Rlack	Breaking and entering	10 months	Mars	10 1	1000	Weshington	Times	91	1808	Vot given	escap	e.
P	G Bowles	White	Driving cattleon RR track	21 voore	Inne	99 1	1000	Ingkeon	Nov	94	1898	Chronic	Dyear	nterv_
			Diving cattled it it track	wy Jeans	June	40, 1	1000	Jackson	1101	WZ,	1000	stomach	ulcers	illory —
Ge	o Goodloe	Yellow .	Larceny	5 years	July	18, 1	1898	Escambia	Nov	21.	1898	Killed by	bank	caving
-	CONTRACTOR DESIGNATION OF THE PARTY OF THE P								100			in.		
M	L Womsley	White.	Murder 1st degree	Life	Oct	31, 1	1898	Marion	Nov	9,	1898	Driving		hrough
w	m Blair	Disale	A	18 1 W. T.			1000	0.11	0	~	1000	parotic a	rtery.	
	m Dian	DIACK	Assault to murder,	o years	Nov	2, 1	1898	Gadsden	Dec	.,	1999		bank	caving
Br	vant Mosely	Brown	Larceny cow	2 pre 60 dee	Nov	17 1	808	Suwannea	Nov	_	1898	Not given		4 8 39
Ge	o Snider	White .	Breaking and entering	1 vear	Nor	99 1	808	Lovy	Dec	8	1898	Not given		

TABLE No. 16. Escaped During Year 1898.

200							Si	ENTE	NCED.	12			
	NAME.	NAME. Age.		Color. Crime.		w	hen.		County Where.	Esc	Escaped.		
Jame	s Yates	22 year	White	Murder	Life	Feb	18.	1891	Osceola	Dec	2.	1898	
Edwa	ard Jackson	24 year	Black	Murder	Life	Jan			Hillsborough			1898	
Fran	k Williams	29 year	Brown	Breaking and entering	5 years	Dec			Levy				
Sol 1	Holly	23 year	Brown	Assault to murder	15 years	May	28.	1895	Alachua	June	1.	1898	
Dani	el Washington	19 year	Cream	Murder	Life	Oct			Madison			1898	
Fran	k Farmer	33 year	Brown	Assault to murder	10 years	Dec	21.	1895	Atachua	Aug	25,	1898	
Samu	iel Jewett	22 year	Black	Highway robbery	24 years	Oct			Duval		16.	1898	
Aust	in Williams	18 years	Brown	Assault to murder	20 years	Nov	12.	1896	Lee	Aug	18,	1898	
Burk	y Jones	20 years	Brown	Murder	10 years	Feb	13. 1	1897	Escambia	April	9,	1898	
Burr	ell Marshall	51 year	Black	Receiving stolen goods.	5 years	April	10, 1	1897	Gadsden	Nov	5,	1898	
Wile	y Williams alias Wild		1 1 1	Second larceny			8,	1897	Duval	April	9,	1898	
Bil	l	25 years	Black	Breaking and entering	24 years.	Aug	13,	1897	Volusia	Nov	4.	1898	
Albei	rt Bryant	27 year	Black	Grand larceny	18 mos	Ang			Duval			1898	
John	Wright alias John	18 yean	Black	Second larcely	5 years	Oct	5,	1897	Duval	May	8,	1898	
Wa	lker	66 years	White	Grand larceny	2 years	Oct	26.	1897	Duval	Feb	5.	1898	
Geo]	Washington Robinson alias Blanev	35 year	Black	Larceny	1 yr 8 m	Nov			Jackson			1898	
Ro	binson	20 years	Black	Second larceny	6 years	Dec	7.	1897	Duval	April	9.	1898	
Jen I	Strd	36 year	Brown.	Grand larceny	2 vears	Mch	21.	1897	Hillsborough	Aug	20,	1898	
Lewi	saBradfield	36 year	Yellow.	Breaking and entering	1 vear	May	19.	1898	Suwannee	Nov	3.	1898	
AB	Williams	40 years	Black	Emi-ezzlement	l vear	July	11.	1898	Monroe	Dec	30.	1898	
Joe S	Simmons	25 vear	Brown	Assault to murder	15 years	Dec			Leon			1898	

AMOUNT DISTRIBUTED NOVEMBER, 1898, UNDER SECTION 11, Chapter 4324, Laws of Florida.

	O.M.		-	. 7			2011
Alachua		THE RESIDE	7 2 3		. 8	381	100000000000000000000000000000000000000
Baker			2.5			and the second	20
Bradford						100000	62
Brevard -					SER SE	97	Marie Co.
Calhoun						16	20
Citrus					S	64	80
Clay	-31.0					142	92
Columbia						396	63
Dade					3 000	194	
DeSoto						44	
Duval						1,822	50
Escambia		THE STATE OF					56
Franklin						78	48
Gadsden						209	43
Hamilton						287	37
Hernando			200			32	40
Hillsborou	oh					859	14
Holmes	5"					95	67
Jackson						459	06
Jefferson	and the second					92	25
Lafayette						48	60
Lake					The state of the	171	09
Lee						36	54
Leon						361	98
Levy	1000				Section 1	94	86
Liberty		of the life	TO BE			16	20
Madison	* 97	•				187	92
Manatee						16	20
Marion	1 1					415	35
Monroe	Y W					312	
Nassau			1000	E I II		193	32
Orange				3 3 3 3		231	39
Osceola	To An or					33	96
Pasco	10 4 3 5 1		- Strait			52	38
Polk						184	
Putnam						335	
St. Johns		1	The last			101	
Santa Ros	OC. THE SA	* 5 5 5				195	
Sumter	ia.				AL THE	145	(COTTO)
Suwannee	11/2	A. 19 14 848	A A	9 1 3		426	20000
Taylor		To the last			10000		20
Volusia						378	
Wakulla					30 33 (10)		20
Walton	A 200 15		1			138	
Washingt	onds.	37 4 3		-	The same	129	
W asitingt	OII	13, 35				120	
Total					. 8	10,416	18

REPORT OF CHAPLAIN.

BUCKHORN, FLA., January 1, 1899.

HON. L. B. WOMBWELL,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR—In 1897 I visited all camps except the one at Palatka every nine weeks, and I went to that one twice, and the reason I did not visit it oftener, it was about one hundred miles extra travel.

There were fifteen camps besides the one at Palatka, and there were only sixteen men at that camp at that time. So you see that I preached between eighty-five and ninety-five sermons.

The health of the camps in 1897 was very good, and they seemed to be very well cared for. The example that Capt. Hillman has laid before the lessees and contractors in general has been of great benefit to the prisoners, relative to their bedding, clothing and feeding of them.

In 1898 there were seventeen camps, and I visited all of the camps the first quarter, preaching twice at all camps; the second quarter I preached to thirteen camps, omitting the ones in West Florida; to each of the larger camps I preached twice

as I went around.

The third quarter I visited all camps as usual, every nine weeks, excepting the ones in West Florida. The fourth quarter I visited all camps and started to West Florida, but was informed that they had been removed, all excepting Myers' camp, and there were only eighteen men in that camp, and owing to the distance, I turned back at Mayo.

In 1898 I preached ninety-four sermons. The health of the men in 1898 was good, and on my last round was very good, excepting at one of Mr. Camp's camps, and the religious im-

pression seemed to be very good.

I suppose there were between twenty and thirty true con-

versions during the two years.

I traveled during 1897 and 1898, at a rough estimate, between four thousand and five hundred and five thousand miles.

This I respectfully submit to you.

Yours truly,

REV. V. A. HERLONG, Per R. W. H.

REPORT OF R. W. STEELE.

BUCKBORN, FLA., January 1, 1899.

To'L. B. WOMBWELL,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR-I have the honor to report as follows:

I worked 47 convicts at Buckhorn, Fla., in the manufacture of naval stores for Saunders & Rose, during the year 1898.

During that period I had in all 47 prisoners, of which there were 31 colored males, 2 colored females and 14 white males.

During that time 24 were discharged by expiration of sentence or order of court; 4 were pardoned and 1 (Burwell Marshall) escaped.

The condition of the prisoners during the past year has

been very good.

Twenty of the above were taken from Buckhorn to Buttgenbach camp at Cordele, Fla., December 24.

> R. W. Steele, Manager.

REPORT OF J. R. SAUNDERS.

· Cook, Fla., January 1, 1899.

To L. B. WOMBWELL,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR-I have the honor to report as follows:

I worked 39 convicts at Cook, Fla., in the business of J. R. Saunders turpentine works, during the year 1898.

During that period I had in all 39 prisoners, of which there were 34 colored males, 1 colored female and 4 white males.

During that time 14 were discharged by expiration of sentence or order of court; 2 died.

The condition of the prisoners during the past year has been

good.

The remaining 23 were moved from Cook, Fla., December 24th and delivered to Camp Phosphate Company, at Dunnellon, Fla.

J. R. SAUNDERS, Manager.

REPORT OF J. CAMP.

DUNNELLON, January 1, 1899.

To L. B. WOMBWELL,

Commissioner of Agriculture, Tallahassee, Fla.:

Sir-I have the honor to report as follows:

I worked 40 convicts at Dunnellon and Floral City, in the business of mining phosphate rock, during the year 1898.

During that period I had in all, 40 prisoners, of which

there were 38 colored males and 2 white males.

During that time 6 were discharged by expiration of sen-

tence or order of court; 1 died and 2 escaped.

The condition of the prisoners during the past year has been very good.

JACK CAMP, Manager.

REPORT OF G. W. VARN.

Mayo, January 1, 1899.

To L. W. WOMBWELL,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR-I have the honor to report as follows:

I worked 30 to 35 convicts at Dudleyville, in the business of manufacturing of naval stores, during the year 1898.

During that period I had in all, 50 prisoners, of which there were 47 colored males, 1 colored female and 2 white males.

During that time there were discharged by expiration of sentence 13, 1 pardoned, 1 escaped and 1 adjudged insane.

The condition of the prisoners during the past year has

been very good.

Prisoners have been in good health all the year and none of them has given any trouble whatever.

G. W. VARN, Manager.

REPORT OF C. A. NEEL.

WADE, FLA., January 1, 1899.

To L. B. WOMBWELL,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR-I have the honor to report as follows:

I worked 130 convicts at Dutton and Wade, in the business

of mining phosphate rock, during the year 1898.

During that period I had in all 130 prisoners, of which there were 100 colored males, 5 colored females, and 25 white males.

During that time 48 were discharged by expiration of sentence or order of court, 5 were pardoned, 6 died and 2 escaped.

The condition of the prisoners during the past year has .

been very good.

Part of the year the convicts were worked in two mines near Dutton and part of the year at two mines near Wade.

C. A. NEEL, Manager.

REPORT OF W. J. HILLMAN.

FLORAL CITY, FLA., January 1, 1899.

To L. B. WOMBWELL,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR-I have the honor to report as follows:

I worked seventy-nine convicts at Floral City, in the busi-

ness of turpentine, during the years 1897 and 1898.

During that period I had in all 79 prisoners, of which there were 78 colored males and 1 colored female.

During that time 10 were discharged by expiration of sen-

tence or order of court, and 2 were pardoned.

The condition of the prisoners during the past two years has been good.

Yours very truly,

W. J. HILLMAN,

Manager.

REPORT OF DONALSON & CO.

WETAPPO, FLA., January 1, 1899.

To L. B. WOMBWELL,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR-I have the honor to report as follows:

We worked 25 convicts at Wetappo, in the business of tur-

pentine, during the year 1898.

During that period we had in all 25 prisoners, of which there were 23 colored males, 1 colored female and 2 white males.

During that time 7 were discharged by expiration of sen-

tence or order of court, 5 died and 2 escaped.

The condition of the prisoners during the past year has been very good.

Donalson & Co.,

Managers.

REPORT OF JOHNSON & ROSE.

PADGETT, FLA., January 1, 1899.

To L. B. Wombwell,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR-We have the honor to report as follows:

We worked 106 convicts at Padgett, in the business of naval stores, etc., during the years from November 1, 1897 and 1898. During that period we had in all 106 prisoners, of which there were 90 colored males, 2 colored females and 14 white males.

During that time 30 were discharged by expiration of sentence or order of court, 7 died, 2 tried to escape and were

killed by guards, and 2 escaped.

The condition of the prisoners during the past year has been very good, and must say that, notwithstanding the number of invalids, cripples and old chronics that were forced on us in the general division of January, 1898, the general health of our camp is good and death rate very small.

Johnson & Rose. Managers.

REPORT OF A. A. MYERS.

TOMPKINS, FLA., January 1, 1899.

· To .L. B. Wombwell,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR-We have the honor to report as follows:

We worked 86 convicts at Lake Butler and Tompkins, in the business of turpentine, during the years 1897 and 1898.

During that period we had in all 86 prisoners, of which

there were 79 colored males and 7 white males.

During that time 22 were discharged by expiration of sentence or order of court, and 5 died.

The condition of the prisoners during the past two years

has been very good.

Of the 86 prisoners, 31 were turned back to State in January, 1898, and we drew 25 new ones. We have 28 on roll now, 3 over our number. All are well and at work, except Bob Mathis, who cut his foot and will have to lie in for a day or so. Yours, etc.,

> THE MYERS TURP'T Co. A. A. Myers, Manager-

REPORT BY J. BUTTGENBACH.

CORDEAL, FLA., January 1, 1899.

To L. B. WOMBWELL,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR-I have the honor to report as follows:

I worked 71 convicts at Floral City, in the business of phosphate mining, during the year 1898. During that period, I had in all 71 prisoners, of which there were 60 colored males and 11 white males.

During that time 11 were discharged by expiration of sentence or order of court, 2 were pardoned, 1 died and 3 es-

The condition of the prisoners during the past year has been very satisfactory, both physically and morally.

J. BUTTGENACH,

Manager_

REPORT OF J. BUTTGENBACH.

CORDEAL, FLA., January 1, 1899.

To L. B. Wombwell,

. Commissioner of Agriculture, Tallahassee, Fla.:

SIR-I have the honor to report as follows:

I worked 82 convicts at Hartshorn, Fla., in the business of

phosphate mining, during the year 1898.

During that period I had in all 82 prisoners, of which there were 58 colored males, 3 colored females, 20 white males and 1 white female.

During that time 12 were discharged by expiration of sentence or order of court; 1 pardoned, 7 died and 1 escaped.

The condition of the prisoners during the past year has been very satisfactorily, both physically and morally.

J. BUTTGENBACH,

Manager.

REPORT OF A. P. MALLOY.

SUMMERFIELD, FLA., January 1, 1899.

To L. B. WOMBWELL,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR-I have the honor to report as follows:

I worked 78 convicts at Summerfield, in the business of manufacturing naval stores, during the year 1898.

During that period I had in all 78 prisoners, of which there were 64 colored males, 5 colored females and 9 white males.

During that time 20 were discharged by expiration of sentence or order of court, 1 was pardoned, 1 died and 2 escaped,

and one of them was captured.

The condition of the prisoners during the past year has been better than usual. The main sickness we have to contend with is bilious attacks. We have to give quite a lot of them blood medicines to keep their blood in condition, as they have old cases of different kinds that return occasionally.

Respectfully,

A. P. Malloy, Manager.

REPORT OF T. G. & J. A. CRANFORD.

CRYSTAL RIVER, FLA., January 1, 1899.

To L. B. WOMBWELL,

Commissioner of Agriculture, Tallahassee, Fla.:

SIR-We have the honor to report as follows:

We worked during the year 1897, including the camps of our sub-lessees, in Alachua, Bradford, Citrus, Lafayette and Sumter counties, in the business of manufacturing naval stores:

Total number of cenvicts on hand January 1, 1897	224	
Total number of convicts received during 1897	112	
Total number of deaths during year 1897		
Total number of escapes during year 1897		6
Total number of pardons during year 1897		2
Total number discharged by expiration of sentence		73
Total number on hand January 1, 1898		240
	336	336

T. G. & J. A. CRANFORD, By R. J. KNIGHT.

AGRICULTURAL STATISTICS

FOR THE

Years 1897 and 1898.

NO. 1. FIELD CROPS.

Columbia Dade DeSoto DeSoto Duval Escambia Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leo Leo Levy Liberty Madison	25 357 4 424 44	27 146 1,471	
Baker Bradford Brevard Calhoun Citrus Clay Columbia Dade DeSoto Duval Escambia Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon Levy Liberty Madison	1.343 25 357 4 424 44	27 146 1,471	1,400 00 3,650 00 36,814 00
Baker Bradford Brevard Calhoun Citrus Clay Columbia Dade DeSoto Duval Escambia Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon Levy Liberty Madison	1.343 25 357 4 424 44	27 146 1,471	1,400 00 3,650 00 36,814 00
Brevard Calhoun Citrus Cilay Columbia Dade DeSoto Duval Escambia Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon Levy Liberty Madison	1.343 25 357 4.424 44	27 146 1,471	1,400 00 3,650 00 36,814 00
Calhoun Citrus Citrus Citay Columbia Dade DeSoto Duval Escambia Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon Levy Liberty Madison	25 357 4 424 44	27 146 1,471 13	1,400 00 3,650 00 36,814 00
Citrus Clay Columbia Dade DeSoto Duval Escambia Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon Levy Liberty Madison	25 357 4 424 44	27 146 1,471 13	1,400 00 3,650 00 36,814 00
Clay Columbia Dade Dade DeSoto Duval Escambia Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon Levy Liberty Madison	25 357 4 424 44	27 146 1,471 13	1,400 00 3,650 00 36,814 00
Columbia Dade DeSoto DeSoto Duval Escambia Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leo Leo Levy Liberty Madison	25 357 4 424 44	27 146 1,471 13	3,650 00 36,314 00
Dade DeSoto. DeSoto. Duval Escambia Franklin Gadsden Hamilton. Hernando. Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon. Levy Liberty Madison.	25 357 4,424 44	27 146 1,471 13	3,650 00 36,314 00
Dade DeSoto. DeSoto. Duval Escambia Franklin Gadsden Hamilton. Hernando. Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon. Levy Liberty Madison.	25 357 4,424 44	27 146 1,471 13	3,650 00 36,314 00
DeSoto. Duval Escambia Franklin Gadsden Hamilton. Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon Liberty Madison.	25 357 4 424 44	27 146 1,471 13	3,650 00 36,314 00
Escambia Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon Levy Liberty Madison	25 357 4 424 44	1,471 13	3,650 00 36,314 00
Escambia Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon Levy Liberty Madison	357 4 424 44	146 1,471	3,650 00 36,314 00
Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake Lee Leon Levy Liberty Madison	4 424 44	1,471	36,314 00
Gadsden	4 424	1,471	
Hamilton. Hernando Hillsborough Holmes Jackson Jefferson Lafsyette Lake Lee Leon Levy Liberty Madison	44	13	
Hernando. Hillsborough Holmes. Jackson Jefferson Lafayette Lake Lee Leon. Levy Liberty Madison.		The second secon	011 00
Hillsborough Holmes Jackson Jefferson Lafsyette Lake Lee Leon Levy Liberty Madison			
Holmes. Jackson Jefferson Lafayette. Lake Lee. Leon Levy Liberty Madison			
Jackson Jefferson Lafsyette Lake Lee Leon Levy Liberty Madison	2,020	1,255	30,375 00
Jefferson Lafayette Lake Lee Leon Levy Liberty Madison	32 079	10.693	374,255 00
Lafsyette Lake Lee Leon Levy Liberty Madison	35,306	11,265	250,958 00
Lake Lee Leon Levy Liberty Madison	00,000	22,000	
LeeLeonLevy			
Leon Levy Liberty Madison			
Levy	29,890	10 990	384,650 00
Liberty			
Madison	133	72	2,022 00
	8,592	1,242	
*Manatee	0,000		
*Monroe			
*Nassau			
Orange		The British of the Control of the Co	
Osceola			200000000000000000000000000000000000000
Pasco			*******
Polk			
Putnam		d little fledballe fledballe fledballe fledballe	
St. Johns			
Santa Rosa	248	75	1,390 00
Sumter	210		1,000
	DOMESTIC OF CONTRACT CONTRACTOR		
Taylor			
*Volusia			
Wakulia	796	291	7.247 00
Washington			
Washington	2,146	001	10 000 00
Total	116,034	89 K89	1,172,335 00

^{*}Not reported.

104

COUNTIES.	COTTON (Sea Island.)				
	Acres.	Bags.	Value.		
Alachua	7,471	1.50	\$66,526 00		
Baker	4.464	1.13			
Bradford	5,970	1.71			
Brevard					
Calhoun	16		5 150 00		
Citrus	45	1	7 1.000 00		
Clay	243	20	2,654 00		
Columbia	15,160	2,77	3 117,496 00		
Dade					
DeSoto					
Duval	34		4 611 00		
Escambia					
Franklin					
Gadsden	3.129	86	2000		
Hamilton	13,841	3 03	122,710 00		
Hernando			**********		
Hillsborough					
Holmes	300		5 3,000 00		
Jackson	1,653	53			
Jefferson	258		0 2,790 00		
Lafayette	320	80			
Lake	190	1	3 982 00		
Lee					
Leon	11		4 165 00		
Levy	1,787	38	15,400 00		
Liberty Madison	10.755	3.40	102 002 0		
*Manstee	19,755	0.40	167,035 00		
Marion	2,794	76	91 700 0		
*Moaroe	2,101	10	31,706 00		
*Nassau					
Orange			The second secon		
Osceola	STATE OF THE PARTY				
Pasco					
Polk					
Putnam	1,664	69			
St. Johns	2,001		50,100 00		
Santa Rosa					
Sumter			1		
Suwannee	17.084	-3 67	0 150.190 00		
Taylor	1.667	37	9 9,214 00		
*Volusia					
Wakulla	91		924 00		
Walton					
		The second second			
Total	97.947	22.14	891,143 00		

^{*}Not reported.

	CORN.			
COUNTIES.	Acres.	Bushels.	Value.	
Alachua	23,201	233,060	125,988 0	
Baker	7.837	85,607	63.917 0	
Bradford	10,191	101,901	50,955 0	
Brevard	142	4,525	2 675 0	
Calhoun	7,010	75,055		
Citrus	4.247	55,159	30,404 0	
Clay	2.327	22,665	11.333 0	
Columbia	25,997	205,595	103,163 0	
Dade	20,001	200,000	100,100	
DeSoto	3,750	38.858	38,858 0	
Duval	2,211	25.745	12.894 0	
Escambia	2,145	. 26,900	20.175 0	
Franklin	152	1,500	1,230 0	
Gadsden	11,187	116,496	56.823 0	
Hamilton	19,418	148,281	74.637 (
Hernando	3,200	38,055	19.830 0	
Hillsborough	6.119	58 909	31,614	
Holmes	6.750	33.750	16 875 (
Jackson	44,695	446.980	223,495	
	43,908	316 594	And the latest and th	
Jeff: rson	20,405	178 015	150,670 (125,012 (
Lafayette	4.316	38,663		
Lake	84	100000000000000000000000000000000000000	19.608 6	
Lee	20 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	2.130	1,642 (
Leon	45,980	475.880	237.940 (
Levy	7,073	60,045	30.022 (
Liberty	2.687	26 700	12,276	
Madison	40,130	361.237	178,342 (
*Manatee				
Marion	11,914	156,515	78,258 0	
Monroe				
Nassau				
Orange	1,630	18 105	9.166	
Osceula	1,614	15 435	8 117 (
Pasco	5,901	56.890	56.790 (
Polk	7.849	79,720		
Putnam	15,004	148.434	74,503 (
St. Johns	3.531	45 585	14 784 (
Santa Rosa	4,333	57,969	33.799 (
Sumter	3 928	33.415	20,896 (
Suwannee	27.791	264.720	132 360 (
Taylor	5.806	40.046	28,643 (
Volusia				
Waku la	10,150	84 680	42,365 (
Walton	8.174	72,129	36,069 (
Washington	8,537	81,653	40,644	
Total.	459.078	4 884 580	2 205,543 (

^{*}Not reported.

	OATS.				
COUNTIES.	Acres.	Bushels.	Value.		
Alachua	2,563	26,921	\$ 12,949 00		
Baker					
Bradford					
Brevard					
Calhoun	828	11,650	4,695 00		
Ditrus		14,340	11,940 00		
Clay		1,290	645 00		
Columbia	5,012	35,789	21,318 00		
Dade					
DeSoto		368	153 00		
Duval		729	478 00		
Escambia	334	5,138	2,569 00		
Franklin					
Gadsden	3,096	33.905	17.092 00		
Hamilton	1 499	13,497	6.714 00		
Hernando	420	5.960	2.885 00		
Hillsborough		2,061	1,311 0		
Holmes		2,500	1,250 0		
Jackson	3,109	31.090	15,545 0		
Jefferson		18,674	10,052 0		
Lafayette		11.018	5,853 00		
Lake	. 151	1,189	526 00		
Lee	. 4	170	85 00		
Leon		41.760	25.056 0		
Levy		16,850	8,425 0		
Liberty		7,990	4,136 0		
Madison	9,544	78,197	38,552 0		
*Manatee					
Marion	8,224	42,310	21,155 0		
*Monroe					
*Nassau					
Orange		470			
Osceola		400			
Pasco	. 764	9.070	The second second		
Polk	. 110	1,318	650 0		
Putnam	3,677	27,711	16,017 0		
St. Johns	. 812	11,835			
Santa Rosa	. 125				
Sumter		7,785			
Suwannee	6,630	66,150			
Taylor	439	4,050	2,943 0		
*Volusia					
Wakulla	. 512				
Walton					
Washington		8,444	4,153 0		
Total	55,697	551.329	290.127 0		

^{*}Not Reported.

	SWEET POTATOES.			
COUNTIES.	Acres.	Bushels.	Value.	
Alachua	404	43,855	17,295 00	
Baker	384	71,567	11,207 00	
Bradford	457	118,180	29,140 00	
Brevard	166	23,155	11,485 00	
Calhoun	881	36,355	18,238 00	
Citrus	347	51,160	25.920 00	
Clay	198	30,090	12,036 00	
Columbia	718	70,149	23,944 00	
Dade				
DeSoto	805	153,244	51,246 00	
Duval	716	68,063	18,081 00	
Escambia	992	74,820	87,410 00	
Franklin	55	11,000	5,500 00	
Gadsden	1,559	62,505	30,162 00	
Hamilton	415	43,589	17.486 00	
Hernando	314	36,220	18,090 00	
Hillsborough	628	103,121	56,089 00	
Holmes	500	5,000	2,500 00	
Jackson	463	93,318	37,327 00	
Jefferson	1.188	76,811	26,922 00	
Lafayette	1,202	96,407	33,674 00	
Lake	474	37.086	16.947 00	
Lee	88	13,006,	5,870 00	
Leon	4,870	199:800	61,440 00	
Levy	362	37,700	9,415 00	
Liberty	177	11,905	4.470 00	
Madison	1,416	79,554	23,335 00	
*Manatee				
Marion	1,379	103.250	51,615 00	
*Monroe				
*Nassau				
Orange	645	59,953	29,241 00	
Osceola	402	43,815	17,600 00	
Pasco	802	75,040	38,410 00	
Polk	809	94,124	30,697 0	
Putnam	1,141	100,943	24,030 0	
St. Johns	455	30,125	13.205 0	
Santa Rosa	794	41,175	22,115 0	
Sumter	195	21,085	7,655 0	
Suwannee	545	55,048	22,922 0	
Taylor	111	10,719	6,655 0	
*Volusia				
Wakulla	159	33,221	16,627 0	
Walton	212	22,785	11,393 0	
Washington	559	62.210	31,660 00	
Total	27,377	2,400,471	949.290 0	

^{*}Not reported.

108

A Control			SUGAR CA	NE.	
COUNTIES.	Acres	Bbls Syrup	Value.	Sugar (pounds.)	Value.
Alachua	83	756	\$8,675 00	9,900	\$215 00
Baker	186	1.895	18,950 00	87,550	3,922 00
Bradford	305	4,072	40,720 00		
Brevard					
Calhoun	130	1.887	11,454 00		
Citrus	. 98	659	12,660 00	600	36 00
Clay	49	323	2,909 00	9,200	276 00
Columbia	384	2,798	20,613 00	15,850	902 00
Dade					
DeSoto	396	2,170	31,907 00	107.235	4,232 00
Duval	303		12,202 00	10 426	399 00
Escambia	83	390	7,800 00		
Franklin	37	253	2.032 00		
Gadsden	1,644	22,989	177,893 00		
Hamilton	245	2,048	16,533 00	17,800	895 00
Hernando	152	1.092	9,562 00	6,250	323 00
Hillsborough	240	2,062	21,349 00	1,000	50 00
Holmes	600	3,000	27,000 00	1.200	60 00
Jackson	359	5,171	31,026 00		
Jefferson	628		24.583 00	2,100	91 00
Lafayette	364		23,645 00		
Lake	98				39 00
Lee	50		4,870 00		13 00
Leon	815		49,800 00	1945 (1945)	260 00
Levy	133		9,520 00		200000000000000000000000000000000000000
Liberty	70		9,986 00	4 222	126 00
Madison	478		31,122 00		100 00
*Manatee		0,101	01,100		
Marion	656	4.462	44,620 00	40.900	2,454 00
*Monroe		1,100	11,000 00	20,000	
*Nassau					
Orange	94	674	9,096 00	200	12 00
Osceola	422	100000		100000000000000000000000000000000000000	
Pasco	232	1	19,390 00		0,000 0
Polk	136		9,193 00		208 00
Putnam	324		18,680 00		200 00
St. Johns	312				
Santa Rosa	100		14,070 00		
Sumter	74			110000000000000000000000000000000000000	
Suwannee	372		26.770 00		215 00
Taylor			4.125 00		210 00
*Volusia	00	012	7,140 00		
Wakulla	111	1,350	11,156 00		
Walton	97		11.078 00		
Washington	212	The second second	15,074 00		
washingt III	212	1,007	10,074 00		
Total	9,122	95.477	830,160 00	508.803	\$20.788 00

^{*}Not reported.

COUNTIES.	RICE.			
	Acres.	Bushels.	Value.	
Alachua	18	321	\$ 365 00	
Baker				
Bradford	3	25	50 00	
Brevard				
Calhoun				
Citrus	19	600	600 00	
Clay	1	.9	9 00	
Columbia	52	647	355 00	
Dade				
DeSoto	752	5,741	7,184 00	
Duval	31	506	574 00	
Escambia	8	185	185 00	
Franklin				
Gadsden	628	10,915	5,389 00	
Hamilton	11	167	167 00	
Hernando	35	1,010	1,110 00	
Hillsborough	. 49	1,206	1 928 00	
Holmes	200	1,600	800 00	
Jackson	88	880	880 00	
Jefferson	10	94	94 00	
Fafayette	10	185	185 00	
Lake	8	91	130 00	
Lee	10	566	1,132 00	
Leon	23	490	490 00	
Levy	23		0 400 00	
Liberty	28	2,544	2,490 00	
Madison	****** ***			
*Manatee	1 909	40 000	94 690 00	
Marion	1,393	43,630	34,630 00	
*Monroe				
*Nassau		122	017 00	
Orange	5 6	295	215 00	
Osceola	a		940 00	
Pasco	802	3,635	5,290 00	
Polk	85 92	1,509	1.551 00 2.233 00	
Putnam	02	1,334	2,200 00	
St. Johns	95	455	455 00	
Santa Rosa	35	455	455 00	
Sumter	72	1 151	1 151 00	
	1.0	1,151	1,151 00	
Taylor				
*Volusia		25	25 00	
Wakulla Walton	127	825	825 00	
Washington	127	-0227		
Washington	101	2,070	1.698 00	
Total	3.621	73.739	73.130 00	

^{*}Not reported.

COUNTIES.	FIELD PEAS.			
	Acres.	Bushels.	Value.	
Alachua	233	1,525	1.835 00	
Baker	2,154	18,690	18,688 00	
Bradford				
Bievard	101	3,620	6,170 00	
Calhoun	48	480	350 00	
Citrus	1,038	16,180	12,950 00	
Clay	15	287	317 00	
Columbia	882	4,108	4,093 00	
Dade		********		
DeSoto	653	7,006	8,849 00	
Duval	82	2,848	1,384 00	
Escambia	16	165	155 00	
Franklin	72	144	144 00	
Gadsden	1,377	21,710	9,424 00	
Hamilton	740	7,227	7,227 00	
Hernando	404	4.810	4,330 00	
Hillsborough	468	3,046	4,837 00	
Holmes	100	500	500 00	
Jackson	1,261	12,610	6,305 00	
Jefferson	402	2,654	2,417 00	
Lafayette	1 840	5.800	5 800 00	
Lake	393	2,258	2.220 00	
Lee	47	1,538	3,052 00	
Leon	653	•6,530	8,160 00	
Levy	95	950	1,250 00	
Liberty	584	5,693	2,073 00	
Madison				
*Manatee				
Marion	501	3,590	5,120 00	
*Monroe				
*Nassau				
Orange	386	3,806	514 00	
Osceola	60	1.133	2,366 00	
Pasco	539	6,770	9,210 00	
Polk	875	6,196	6,350 00	
Putnam	8,071	56,600	56,660 00	
St. Johns				
Santa Rosa	400	4,009	4,009 00	
Sumter				
Suwannee	2,020	20,200	20,200 00	
Taylor	55	590	565 00	
*Volusia				
Wakulla	369	4.075	2,294 00	
Walton	447	1,757	1.757 00	
Washington	203	2,091	1,872 00	
Total	27,429	241,286	228,604 00	

^{*}Not reported.

	нау.			
COUNTIES.	Acres.	Tons.	Value.	
Alachua	167	157	\$1,570 00	
Baker	18	28	455 00	
Bradford				
Brevard				
Calhoun				
Citrus	119	135	1,635 00	
Clay	30	34	685 00	
Columbia	49	53	540 00	
Dade				
DeSoto	190	333	3,330 00	
Duval	111	150	1,765 00	
Escambia	900	900	13,600 00	
Franklin		,		
Gadsden	75	225	2,250 00	
Hamilton				
Hernando	89	98	980 00	
Hillsborough	341	323	3,815 00	
Holmes,	10	40	400 00	
Jackson				
Jefferson	15	29	540 00	
Lafayette			~ ~~	
Lake	588	791	7,770 00	
LeeLeon	1 100	1 410	110 0	
Levy	1,180	1,410	14,100 0	
Liberty			23 00	
Madison		-	20 0	
*Manatee				
Marion	79	4,472	89,440 0	
*Monroe		2,21~	00,110	
*Nassau				
Orange	756	756	7,903 0	
Osceola	96	439	4,440 0	
Pasco	449	786	11,780 0	
Polk	353	399	8,345 0	
Putnam	2,224	1,595	16,089 0	
St. Johns	175	348	5,250 0	
Santa Rosa	500	564	6 622 0	
Sumter	52	50	840 0	
Suwannee	50	85	1,350 0	
Taylor				
*Volusia				
Wakulla				
Walton				
Washington	22	18	156 0	
Total	8.582	10.219	\$222.783 0	

^{*}Not reported.

	MILLET.				
COUNTIES.	Acres.	Tons.	Value.		
Alachua	J		100		
Baker	THE RESERVE OF THE PROPERTY OF				
Bradford	*********		**********		
Brevard Calhoun	The state of the s				
Citrus			\$ 70 00		
Clay Columbia					
Dade DeSoto	9	5	90 00		
DeSoto Duval	9				
Escambia					
Franklin					
Gadsden					
Hamilton					
Hernando					
Hillsborough	The second of the second secon	6	90 00		
Holmes	0	0	20 0		
Jackson			*********		
Jefferson		*****	10 00		
			10 00		
Lafayette Lake					
Leen	78	260	3,900 00		
Levy			3,000 00		
Liberty					
Madison					
*Manatee					
Marion					
Monroe					
Nassau					
Orange	8	17	185 00		
Osceola		1000	100 00		
Pasco			315 00		
Polk	20		430 00		
Putnam	66	175.77			
St. Johns		100	000 00		
Santa Rosa					
Sumter					
Suwannee					
Taylor					
Volusia					
Wakulla					
Walton					
Washington					
Total	180	421	\$ 5,908 00		

^{*}Not reported.

113 NO. 1. FIELD CROPS-Continued.

COUNTIES,	PEANUTS.		
	Acres.	Bushels.	Value.
Alachua	1,448	9.835	\$7.730 00
Baker	5,336	49,325	49,325 00
Bradford	5,000	201047	20,000 00
Brevard			
Calhoun	70	975	258 00
Citrus	615	10,200	10,280 00
Clay	2	25	25 00
Columbia	4.131	74,107	71,482 00
Dade			
DeSoto	7	175	229 00
Duval	3	24	29 0
Escambia			
Franklin			
Gadsden	2,863	31,837	31,927 0
Hamilton	4,521	45,230	45,230 0
Bernando	296	4,382	4.145 0
Hillsborough	6	116	120 0
Holmes	700	10,500	10,500 0
Jackson	12,559	125,590	62,795 0
Jefferson	3.015	40,733	20,290 0
Lafayette	2,410	55,067	55,067 0
to the same of the	170	2,116	2.184 0
	210	2,110	#,10± O
Lee	1,400	43,810	21,655 0
Leon	2,874	28,740	14.370 0
LevyLiberty	1.115	12,952	5,918 0
	4.110	12,002	0,010 0
Madison			
*Manatee	4.069	98,100	49,050 0
Monroe	4,000	30,100	49,000 0
	9	878	666 0
	2	85	60 0
Osceola	259	3,660	5,460 0
Pasco	75		1,523 0
Polk	1,223	1,146	
Putnam	1,000	11,769	11,631 0
St. Johns	15	250	155 0
	10	200	155 0
Sumter	= 110	10 004	10 004 0
Suwannee	5,112	10,224	10,224 0 14,723 0
Taylor	1,503	20,395	14,120 0
*Volusia	1 005	99 90=	14 985 0
Wakulla	1,085	38,395	14,865 0
Washington	313	2,955	2,955 0
Washington	1,246	56,640	40,806 0
Total	-	789,287	\$575.627 0

^{*}Not reported. 8 A

114

COUNTIES.	TOBACCO.		
	Acres.	Pounds.	Value.
Alachua	4	700	\$210 00
Baker			1410 00
Bradford			
Brevard			
Calhoun			
Citrus	2:	5,800	1,000 00
Clav	1	640	640 00
Columbia	57	32,040	5,145 00
Dade			
DeSoto	3	2,195	655 00
Duval	1	500	100 00
Escambia			
Franklin			
adsden	1,882	449,448	241,254 00
Hamilton			
Hernando	27	10,320	3,635 00
Hillsborough	34	18,900	8,950 00
Holmes	2	800	200 00
ackson			
efferson	14	9,600	2,780 00
afayette	1	410	55 00
ake	15	4,110	953 00
ee	10	2,000	1,000 00
eon	118	61,390	9,209 00
evy			
iberty	3	600	225 00
Madison			
Manatee			
Marion	22	9,000	3,972 00
Monroe			
Nassau			
Orange	1	650	310 00
Osceola	33	15,525	4,247 00
asco	439	189,300	79.780 00
Polk	* 206	20,740	5,312 00
utnam	139	50,162	13,359 00
St. Johns			
Santa Rosa	1	200	80 00
Bumter			• • • • • • • • • • • • • • • • • • • •
uwannee			
aylor			
Volusia			
Wakulla	i	105	72 00
Walton	83	195 12,110	5,738 00
Washington	80	12,110	0,100 00
Total	3.119	897,335	\$391,911 00

^{*}Not reported.

115

COUNTIES.	CASAVA.		
	Acres.	Tons.	Value.
Alachua			
Baker	Date of the same of the same		
Bradford			
Brevard	LAURENCE CONTRACTOR OF SECOND		
Calhoun			
The state of the s			
Clay			
Columbia			
Dade			0300 00
DeSoto		36	\$222 00
Duval			
Escambia			
Franklin			
Gadsden			
Hamilton			
Hernando			
Hillsborough			
Holmes			
Jackson			
Jefferson			
Lafayette			
Lake	-11	52	289 00
Lee			
Leon			
Levy			
Liberty			
Madison			
*Manatee			
Marion			
*Monroe		CONTRACTOR STREET	
Orange	1		20 00
Osceola			
Pasco			# DETERMINED
Polk			
Putnam			
St. Johns			
Santa Rosa			
Sumter			
Suwannee			THE RESIDENCE OF THE PARTY OF T
Taylor			
*Volusia			THE RESIDENCE OF THE PARTY OF T
Wakulla			
Walton			THE RESIDENCE OF THE PARTY OF T
Washington			
Total			
Total	. 46	212	\$1.151 0

^{*}Not reported.

116

NO. 2. VEGETABLE PRODUCTS.

COUNTIES.	IRISH POTATOES.		
	Acres.	Bushels.	Value.
Jachua	78	4,515	\$3,925 00
Baker			
Bradford			
Brevard	118	7,215	42,700 00
Calhoun			
Sitrus	79	7.848	9.465 00
lay	2	215	251 00
Columbia	3	70	87 00
Dade		**	
DeSoto	61	2,826	5.611 0
Ouval	68	3,982	3.742 0
Scambia	21	2,075	2,075 0
ranklin			
adsden			
Hamilton	7	900	
Hillsborough	50	290 2,850	340 0
Holmes	20	400	1,350 0
Jackson	20	400	200 0
Jefferson	75	5,000	3,000 0
Fafayette	10	5,000	0,000 0
Lake	190	8.055	6,769 0
Lee	1	144	288 0
Leon	298	12 760	13,300 0
Levy			10,000
Liberty			
Madison			manuscraft transpo
Manatee			
Marion	395	28,490	30,605 0
Monroe			
*Nassau		.f.d	
Orange	94	9,827	10,194 (
Osceola	44	4,397	6,880 (
Pasco	118	7.860	8,360 (
Polk	75	7.240	4.198 (
Putnam	88	- 5.162	5 631
St. Johns	492	65,213	24,752 (
Santa Rosa	2	100	80 (
SumterSuwannee			
	********		******
Taylor*Volusia	* * *******		
Wakulla		*******	
Walton			
Washington			
Total	2,372	Complete States	The second second second

[&]quot;Not reported.

COUNTIES.	CABBAGE.		
COUNTES.	Acres.	Barrels.	Value.
lachua	675	29,680	\$31,476 0
Baker		20,000	401,110
Bradford	A STATE OF THE PARTY OF THE PAR		
Brevard	. 2	160	150 0
Calhoun			
itrus	. 155	20,600	18,400 0
lay	1	25	155 0
Columbia	. 8	325	365 0
Dade			
DeSoto	. 46	1,113	3,419 0
Ouval		3,796	3.466 0
Escambia	. 14	2,750	1,375 0
Franklin			
adsden			
Hamilton			
Hernando	. 19	1,070	1,760 0
Hillsborough		613	1,112 (
Holmes		1.500	
Vackson			
lefferson	. 50	250	800 0
Lafayette			
Lake		21,475	10,747 (
Lee		625	831 (
Leon		5,280	10,690 (
Levy			
Liberty			
Madison			
Manatee			
Marion	907	50,080	43,609 (
*Monioe			
Nassau			
Orange			
Osceola		1,975	
Pasco			
Polk			
Putnam			
St. Johns		600	
Santa Rosa	. 1	50	40 (
Sumter			
Suwannee			
Taylor			
*Volusia			
Wakulia			
Walton			
Washington			
Total	2.898	400 000	\$173,687

^{*}Not reported.

118

		TOMATORS.	
COUNTIES.	Acres.	Crates.	Value.
Alachua	154	9 280	\$8,280 00
Baker			
Bradford			
Brevard	159	23,950	20,640 00
Calhoun		40,000	20,010 0
Citrus	61	6 369	8,755 00
Clav	4	305	195 00
Columbia	i	0.00	15 00
Dade	1.097		273 975 00
DeSoto	71		5,384 00
Duval	113	- T. S. C. C. C.	
Escambia	110	50	50 00
Franklin	1	30	30 00
	*********	*******	*******
Gadsden	200.000.000	************	*******
Hamilton			
Hernando			
Hillsborough	16		
Holmes	1	300	150 00
Jackson			
Jefferson			
Lafayette			
Lake	478	- 10.719	9 809 0
Lee	219	44.685	
Leon	75		8,520 0
Levy			
Liberty			
Madison			
*Manatee			100000000000000000000000000000000000000
Marion	1,421	72,075	52,526 0
		12,010	02.020 0
*Nassau			*******
Orange	310	27 575	23,690 0
	18		2,009 0
Osceola	162		
Pasco			
Polk	1,428		
Putnam	226	D. Charles	16.769 0
St. Johns	172		
Santa Rosa	*** ** **	*******	******
Sumter			*******
Suwannee			
Taylor			*******
*Volusia			
Wakulla			
Walton			
Washington			
Total	6 201	540 630	\$650.894 00

^{*}Not Reported.

COUNTIES.		SQUASHES.			
	Acres.	Barrels.	Value.		
Alachua	31	1,610	\$ 1,665 00		
Baker			4 1,007 09		
Bradford					
Brevard					
Calhoun					
Citrus		1,406	1.963 0		
Clay		3	6 00		
Columbia					
Dade					
DeSoto	3	101	223 00		
Duval	1000				
Escambia		100	100 00		
Franklin	2000				
Gadsden					
Hamilton					
Hernando					
Hillsborough		175	50 00		
Holmes		100	100 00		
Jackson		100	100 0		
Jefferson			••••		
Lafayette					
Lake.		1,080	540 00		
Lee	O C C C C C C C C C C C C C C C C C C C	83	170 00		
Leon		5,260	7,130 00		
Levy		0,200	1,100 0		
Liberty	ALAN INTERNATIONAL PROPERTY OF THE PROPERTY OF		******		
Madison					
Manatee		THE RESIDENCE OF THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO	***		
Marion		1,645	1,985 00		
Monroe		1,010	1,000 0		
Nassau					
Orange		187	215 00		
Osceola		20.	210 0		
Pasco	57	3.270	4,360 00		
Polk		398	654 00		
Putnam	8	325	479 00		
St. Johns			110 0		
Santa Rosa					
Sumter					
Suwannee					
Taylor					
Volusia					
Wakulla					
Walton					
Washington					
			A STATE OF THE PARTY OF THE PAR		
Total	272	15.743	\$19.640 00		

^{*}Not reported,

		EGG PLANTS.	EGG PLANTS.		
COUNTIES.	Acres.	Barrels.	Value.		
Alachua	32	1,975	\$1,745 00		
Baker					
Bradford					
Brevard					
Calhoun					
Citrus	12	1,146	2,248 0		
Clay	1	7	29 00		
Columbia					
Dade	133	5,439	28,708 00		
DeSoto	19	527	1.414 00		
Duval			• • • • • • • • • • • • • • • • • • • •		
Escambia					
Franklin					
Gadsden					
Hamilton		150	450 0		
Hillsborough	16	57	560 0		
	73.0	31	000 0		
Holmes					
Jefferson	**********				
Lafayette	*				
Lake	1	10	15 0		
Lee	8	566	1,073 0		
Leon	25	610	850 U		
Levy					
Liberty					
Madison					
*Manatee					
Marion	14	240	640 0		
*Monroe					
*Nassau					
Orange					
Osceola	- 25	2,675	13,375 0		
Pasco	145	6,620			
Polk	19	709	1,403 0		
Putnam	. 90	4,205	6,047		
St. Johns					
Santa Rosa					
Sumter					
Suwannee		*** *****			
Taylor*Volusia					
Wakulia					
Walton					
Washington					
Total	584	24,936	THE PARTY OF THE P		

^{*}Not reported.

		CUCUMBERS.	
COUNTIES.	Acres.	Crates.	Value
	1 440		
Alachua		7,175	\$5.815 00
Baker			
Bradford			
Brevard			
Calhoun			
Citrus	39	6,720	5,115 00
Clay		5	5 00
Columbia			
Dade			
DeSoto	24	1,917	2,256 00
Duval	12	618	385 00
Escambia			
Franklin			
Gadsden	POTOTO TOTAL NO SECURITARIO DE LA COLONIA DE		
Hamilton			
Hernando	Unated the Control of		
		1,026	915 00
Hillsborough Holmes	2	800	400 00
Jackson	~		400 00
Jefferson			
T afamatta			
LafayetteLakeLee		970	059 00
Lake	0	270	200 00
Lee	1	40	89 00 5,140 00
Leon		6,260	0,140 00
LevyLiberty	40	0,200	6,260 00
Madison			
*Manatee			
Marion	338		11,952 00
*Monroe			
*Nassau			
Orange	. 4	405	520 00
"Nassau Orange. Osceola Pasco. Polk.			
Pasco	150	15,490	15,360 00
Polk,	5	567	637 00
Putnam	.11 2011	0.000	10,238 00
St. Johns			
Santa Rosa			
Sumter			
Suwannee			
Taylor			
*Volusia			
Wakulla			
Walton			
Washington		http://doi.org/10.10.10.10.10.10.10.10.10.10.10.10.10.1	
Total	. 981	68,835	\$65,340 00

^{*}Not reported.

PHONON	WATERMELONS.		
COUNTIES.	Acres.	Car Loads.	Value.
Crattes Value's	Agres		
Alachua	580	487	\$15,315 00
Baker			
Bradford			SESTIMATE SHIP.
Brevard			********
Calhoun			**********
Citrus	57	84	7.930 00
Slay	2		292 00
Columbia	29	17	1,200 00
Dade			A CONTRACTOR
DeSoto	162	165	5.926 00
Duval	237	139	9,410 00
Escambia	21	18	1,800 00
Franklin			
Gadsden			a minimizers
Hamilton	98	30	1,860 00
Hernando			THE RESERVE TO SERVE
Hillsborough	57	33	3,275 00
Holmes	10	4	300 00
Jackson			SECOTOGRAMA
Jefferson	179	106	8,400 00
Lafayette			
Lake	256	109	4,794 00
Lee			4 - 100 1 7 7 26 1 20.1
Leon	158	119	7,100 00
Levy			2 - 1 - 1 - 1 - 1 - 1
Liberty			Tigour Troats
Madison			
Manatee			A THE COLUMN TO
Marion	140	147	6,120 00
Monroe			
Nassau			A STATE OF THE STA
Orange	89	85	4.415 00
Osceola	65	65	5,125 00
Pasco	46	46	4.355 00
Polk	40	18	1.280 00
Putnam	216	158	14.900 00
St. Johns	130		5 195 00
Santa Rosa	2		135 00
Sumter		MARKET BANKS	Str 650 118
Suwannee			ABURLING HERE
Taylor		The state of the s	The state of the s
Volusia			- respective average.
Wakulla	A STATE OF THE STA		STATE STATE VALUE
Walton	N. WICHIGIPARTS STORY		Z = OSHOWED
Washington			27 -25 23 53 35 55 65
	The state of the s	Bellevin to the last	MARKET PACE
Total	2,558	2,190	\$109,087 00

borroger jur."

*Not reported.

exerted PRAS	CANTALOUPES.		
counties.	Acres.	Barrels.	Value.
(0) (007.12 (000.) (20.)	217	17,080	\$15,470 00
AlachuaBaker	211	11,000	\$19,210 00
Bradford			Total Billion
Brevard			1000000
Calhoun			attorite sal
Citrus	8	370	820 00
Clay		5	10 00
Columbia			- ALICHARIAN
Dade			
DeSoto			***********
Duval	14	+ 6	
Escambia	1	100	100 00
Franklin	*******		
Gadsden			*** *******
Hamilton			************
Hernando			02102020000
Hillsborough			"L' T' SEAMANTE
Holmes			***********
	25	310	465 0)
JeffersonLafayette	20	910	400 00
Lafayette	4	20	70 00
Lee		The Part of the State of the St	10 00
Leon	47	2,110	2,870 00
Levy		~,110	
Liberty			207907
Madison			2000 page 14
Manatee			55300000000000000000000000000000000000
Marion			110/21002
Monroe			**********
Nassau			********
Orange	4	180	510 00
Osceola			
Pasco.	68	2,660	3,940 00
Polk	65		
Putnam	65	2,136	3,024 00
St. Johns			. 101.11.11.10
Santa Rosa			South December
Suwannee			* MANAGER **

Volusia			· · · · · · · · · · · · · · · · · · ·
Wakulia			AT DISERVE
Walton			MARKET WAR
Washington			non-Surface At
HOTOGRAPH START OF THE START OF		Charles Sept.	angental year
Total	453	25,027	\$27,422 00

^{*}Not reported.

oounties.	ENGLISH PEAS.		
	Acres.	Crates.	Value.
Alachua	35	1,990	\$1,900 00
Baker			
Bradford			
Brevard			
Calhoun			
Citrus	4	240	390 00
Clay			
Columbia	13	419	584 00
Clay			
DeSoto	7	373	984 0
Duval	13		
Escambia			
Franklin		A CONTRACTOR OF THE PARTY OF TH	
Gadsden			
Hamilton			•••••
Hernando	1	91	110 0
Hillsborough	4	200	100 0
Holmes			
Jackson			• • • • • • • • • • • • • • • • • • • •
Jellerson			
Jackson	90	1 998	1,328 0
Lake	1	20	30 0
Leon	84	18,130	8.990 0
Levy	01	14,100	0,000
Liberty			
Madison			
*Manatee	CONTRACTOR OF STREET		
Marion		1,390	4,158 0
*Monroe			
*Nassau			
Orange	1 2	60	
Osceola	2	345	
Pasco	156	16,760	
Polk	3	105	168 0
Putnam			
St. Johns			
Santa Rosa			
Sumter			
Taylor			
*Volusia			
Wakulla			
Walton		The state of the s	
Washington			
Total	405	41.899	\$35,298 0

^{*}Not reported.

		BEETS.	
COUNTIES.	Acres.	Crates.	Value.
Alachua	16	870	\$460 00
Baker			
Bradford			
Brevard			
Calhonn			
Citrus	16	1,795	1.820 0
day			
Columbia			
Dade			
DeSoto		14	20 00
Duval			
Escambia	1	100	100 0
Franklin			
Gadsden			
Hamilton			
Hernando			
Hillsborough			
Holmes			
Jackson			
Jefferson			
Lafayette			
Lake	3		
Lee	1		
Leon	26		4,870 0
Levy			
Liberty			
Madison			
Manatee			
Marion	122	4,490	4,348 0
*Monroe			
*Nassau			
Orange	5	440	460 0
Osceola			
Pasco	115		
Polk	8		
Putnam	. 89	3,627	The state of the s
St. Johns			
Santa Rosa		Committee of the Commit	
Sumter			
Suwannee			
Taylor			
*Volusia			
Wakulla			
Walton			
Washington			
Total		00 400	200 407 0
Total.	397	29,628	\$29,435 0

^{*}Not reported.

		BEANS.	(CE)
COUNTIES.	Acres.	Crates.	Value.
Alachua	30'	14,185	\$16,523 CO
Baker			
Bradford			
Brevard	67	0 190,565	87,745 00
Calhoun	110000000000000000000000000000000000000		
Citrus	6	8.250	6,035 00
Clay			
Columbia		7 210	215 00
Dade		9 1.500	3,050 00
DeSoto	30		27,552 00
Duval	6	1,966	1.497 00
Escambia		1 200	100 00
Franklin			
Gadsden			
Hamilton			********
Hernando			*********
Hillsborough	1		1.296 0
Holmes		5 1,500	750 00
Jackson			
Jefferson			
Lafayette			
Lake	16		8,515 0
Lee		213	
Leon	10	7 2,715	10,980 0
Levy			
Liberty			**********
Madison			******
*Manatee		44 025	00 000 0
Marion	85	6 41,655	36,683 0
*Monroe			······································
*Nassau		9 3,253	3.205 0
Orange	8 5		
Osceola	32		
Pasco	8		
	5		
Putnam St. Johns		2,010	0,000
Santa Rosa			101770000000
Sumter			11030100010
Suwannee			
Taylor			CC 2 1070 A.
*Volusia	United the last		The state of the s
Wakulia			100000
Walton			Altera Marketina A
Washington			
A Maria Bron		The state of the state of	
Total	3.18	360.597	\$264.130 0

^{*}Not reported.

127

NO. 3. FRUITS.

COUNTIES.	ORANGES.			
	Bearing Trees.	Non Bear- ing Trees.	No. of Boxes.	Value.
	MERCHALL TO	Engrit and	20011	**** ***
Alachua	175	92,725	180	\$365 00°
Baker				Alachia:
Bradford	05 000	000 000	00 445	01 000 00
Brevard	25,060	273,555	29,115	91,080 00
Calhoun	92	194,410	117	313 00
Citrus			117	313 00
Clay		16,371		······································
Columbia	100			
Dade			400	800 00
DeSoto	78,706	148,714		166,672 00
Duval				***************************************
Escambia				
Franklin	252	1,504		
Gadsden				***********
Hamilton				
Hernando	84		43	100 00
Hillsborough	72,599	263,097	55,918	117,441 00
Holmes				***********
Jackson		>******		
Jefferson				
Lafayette	4.051 13.582			
Lake	4.051	594,324	4,747	9,948 00
Lee	7.	30,409	17,947	28,031 00
Leon				********
Levy		12,530		***********
Liberty				
Madison	,			
*Manatee			1,001	
Marion	2,195	301,813	1,001	3,099 00
*Monroe				
*Nassau				****
Orange	24,085			19,510 00
Osceola	2,004	41,693	2,315	
Pasco	490	146,470		
Polk	30,880	105,011		
Putnam	2,818	124,478		
St. Johns	590	18,440	615	1,293 00
Santa Rosa				
Sumter				
Suwannee				*********
Taylor				
*Volusia				
Wakulla				
Walton				
Washington				
Total	L OFF SE	0 800 404	010 270	
Total	257.75	8 3,538.404	210,078	\$455.672 06

COUNTIES.		LEMONS.			
	Bearing Trees.	Non- Bearing Trees.	No. of Boxes.	Value.	
Alachua					
Baker				National Automotion	
Bradford					
Brevard	90	18,667	30	40 00	
Calhoun					
Citrus		780			
Clay		8			
Columbia					
Dade					
DeSoto	4,762		1,420	2,007 00	
Duval	1,100	2,000	1,120	2,001	
Sscambia					
ranklin					
ladsden					
Hamilton					
Hernando					
Hill-borough	000		33	85 0	
Iolmes					
ackson					
efferson					
afayette					
ake	i8	8,607	11	21 0	
Lee	346	481	306	243 0	
Leon			000	~.00	
_evy		A STATE OF THE PARTY OF THE PAR			
iberty					
Madison					
Manatee					
Marion	200				
Monroe					
Nassau					
Orange					
Osceola	17	429			
Pasco	18				
Polk					
Putnam		1,764			
St. Johns					
Santa Rosa					
Sumter		S ALL SPECIAL PROPERTY OF THE			
Suwannee					
Taylor		The state of the s			
Volusia					
Wakulla					
Walton					
Washington					
B					
Total					

^{*}Not reported.

Trees. Crates. Valu	COUNTIES,		LIMES.		
Baker Bradford Brevard Calhoun Citrus 25 Clay Columbia Dade DeSoto 733 140 65 Duval Escambia Franklin Gadsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake 962 5 Lee 478 282 3 Leon Levy Liberty Madison Manatee Marion *Monroe *Nassau 0		Trees.	Crates.	Value.	
Baker Bradford Brevard Calhoun Citrus. 25 Clay Columbia Dade. 733 !40 65 DeSoto 733 !40 65 Duval Escambia Franklin Gradsden Hamilton Hernando Hillsborough Holmes Jackson Jefferson Lafayette Lake 962 5 Lee 478 282 3 Leov Levy Liberty Madison Manatee Marion *Monroe *Nassau Orange 75 Osceola 27 Pasco Polk Putnam St. Johns Santa Rosa Sumannee Taylor *Volusia Wakulla Walton	achua				
Bradford Brevard Bre					
Brevard Calhoun Calh					
Calhoun Citrus. 25 Clay Columbia. 25 DeSoto. 783 !40 65 Deval. 26 Cesoto. 783 !40 65 Cesoto. 783 !40 !40 !40 !40 !40 !40 !40 !40 !40 !40					
Ditrus 25				A SECURITY OF	
Clay		O.E.			
Columbia	av				
Dade 783 140 63 DeSoto 783 140 63 Descambia 282 3 Granklin 38 38 38 Gadsden 48 48 38 Hernando 48 48 48 38 Holmes 48 48 28 3 Hacke 962 5 48 38 3 Hee 478 282 3					
DeSato					
Duval Escambia Franklin Gadsden Hamilton Hamilton Hamilton Holmes			140	622 0	
Cranklin					
Pranklin Padsden Hamilton Hernando Hillsborough Holmes Packson Hefferson Pake Pake Pake Pake Pake Pake Pake Pake					
Padsden Iamilton Idernando Iillsborough Holmes ackson efferson Asfayette Ase 962 5 Aee 478 282 3 Aeon Aevy Aiberty Idadison Isanatee Marion Monroe Nassau Drange 75 Dsceola 27 Pasco Police Putnam St. Johns Santa Rosa Sumter Suwannee Caylor Volusia Wakulla Walton			100000000000000000000000000000000000000		
Hamilton Hernando Hillsborough Holmes Hokson efferson Aafayette Aake					
lernando lillsborough Holmes ackson efferson asfayette aske 962 5 ase 478 282 3 aseon asy aseon asy	amilton		Total Control of Contr		
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efferson		(8/1)			
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### ### ##############################		969		5 0	
deonevy. devy. diberty Iadison Ianatee Marion Monroe Nassau Prange Deceola					
devy. diberty Iadison Ianatee Marion Monroe Nassau Prange Pock Potk Putnam St. Johns Santa Rosa Sumter	nom	***	202	010	
Addison Addi					
Iadison Ianatee Marion Monroe Nassau Prange Secola Pasco Polk Putnam tt Johns Santa Rosa Sumter Suwannee Saylor Volusia Vakulla Valton				2000	
fanatee farion Monroe Nassau Drange Secola S				Berlin Market State Control of the	
Marion Monroe Noassau Prange 75 Secola 27 Secola 27 Succola 27 Suc				******	
Monroe Nassau Nassau Prange Posceola Pasco Polk Putnam St. Johns Panta Rosa Pumter Puwannee			PERSONAL PROPERTY OF THE PERSON NAMED IN COLUMN TO THE PERSON NAME		
Nassau Prange 75 Seceola 27 Pasco 70 Polk Putnam 15t Johns 15t Joh				Control of the Contro	
Prange 75 Secola 27 Sasco Polk Putnam tt. Johns. santa Rosa umter. suwannee aylor. Volusia Vakulla Valton	Tonroe		Contraction of the same of the same of	THE PROPERTY OF THE PROPERTY OF THE PARTY OF	
Osceola 27 Casco Colk Cutnam tt. Johns anta Rosa cumter cuwannee aylor Volusia Vakulla Valton					
Pasco. Polk Utnam Ut. Johns anta Rosa umter Uwannee aylor Volusia Vakulla Valton		2.2			
Polk Putnam St. Johns Santa Rosa Sumter Suwannee Saylor Volusia Vakulla Valton					
Putnam t. Johns santa Rosa umter uwannee 'aylor Volusia Vakulla			The second second second second		
t. Johns. anta Rosa iumter. iumter. iuwannee. 'aylor. Volusia Vakulla Valton.					
anta Rosa umter. uwannee 'aylor Volusia Vakulla					
umter. uwannee. 'aylor' Volusia Vakulla	Johns		The second second second		
uwannee aylor Volusia Vakulla Valton					
'aylor. Volusia Vakulla Valton					
VolusiaVakullaValton	twannee				
VakullaValton	7-1		A STREET OF THE STREET OF THE STREET		
Walton	olusia				
Vashington	akulla				
vasnington	alton	COLOR CONTROL STREET,		CONTROL OF STREET STREET	
	asnington				
Total 2.300 427 9		0.000	100	970 (

^{*}Not reported.

¹⁰ A

COUNTIES.		GRAPE FRUIT	
	Trees.	Barrels.	Value.
Alachua			
Baker	THE RESERVE AND ADDRESS OF THE PARTY OF THE		
Bradford			
Brevard	8,560	489	\$1,048 00
Calhonn	8,560		
Citrus	110		
Clay	ustration in the		
Columbia			
Dade			
DeSoto	19.507	2,616	13.832 00
Duval			
Escambia			
Franklin			
Gadsden			
Hamilton			
Hernando	1,010	10	25 00
Hillsborough	3,925	200	1,597 00
Holmes			
Jackson			
Jefferson			
Lafayette			
Lake	18,345		43 00
Lee	5,250	573	3,893 00
Leon			
Liberty			
Madison		***********	
*Manatee			
Marion	91 800		
*Monroe	21,000		
*Nassau			
Orange	1,349	8	24 00
Osceola	1,625		WI 00
Pasco			
Polk	1.140	305	1,220 00
Putnam	16,122		2,000
Sumter			
Suwannee			
Taylor			
*Volusia			
Wakulla			
Walton			*********
Washington			
Total	00.0.0	100	A04 000 00
Total	99,642	4,211	\$21,682 00

^{*}Not reported.

	PINEA	PPLES.
COUNTIES.	Crates.	Value.
Alachua		
Baker		
Bradford		
Brevard		\$ 60,810 00
Calhoun		
Citrus		150 00
Clay		
Columbia		
Dade	29,600	56,800 00
DeSoto		9,587 00
Duval		
Escambia		
Gadsden		***************************************
Hamilton		
Hillsboyough	25	100 00
Holmes		100 00
Lafavette		
Jefferson Lafayette Lake	300	337 00
Lee	12,236	30,629 00
Leon		
Levy		
Manatee		050 00
Marion	80	250 00
Monroe		
Orange	400	1 599 00
Osceola	200	400 00
Pasco		100 00
Polk		
Putnam	OTHER DESIGNATION OF THE PARTY	
St. Johns		
St. Johns		
St. Johns Santa Rosa Sumter		
St. Johns. Santa Rosa Sumter. Suwannee.		,
St. Johns. Santa Rosa. Sunter Suwannee. Faylor.		
St. Johns. Santa Rosa. Suwannee. Taylor. Volusia.		
St. Johns. Santa Rosa. Sumter. Suwannee. Faylor. *Volusia Wakulla.		
St. Johns. Santa Rosa. Sumter. Suwannee. Taylor. *Volusia. Wakulia. Walton		
Putnam St. Johns Santa Rosa Sumter. Suwannee. Paylor "Volusia Wakulla Walton' Washington		

^{*}Not reported.

	BAN	ANAS.
COUNTIES.	Bunches.	Value.
Alachua		
Bradford	Control of the Contro	
Brevard	THE RESIDENCE OF THE PERSON NAMED IN	\$220 00
Calhoun		
Citrus		
Clay		
Columbia		
Dade		
DeSoto		2,772 00
Duval		
Escambia		
Franklin		
Gadsden		
Hamilton		
Hernando		
Hillsborough		
Holmes		
Jackson		
Jefferson		
Lafayette		
Lake	4,460	332 0
Leon		155 0
Levy		
Liberty Madison	COLUMN TO THE REAL OF COLUMN THE PARTY OF TH	
*Manatee		
Marion	***********	
Monroe		11111111111
*Nassau		
Orange	140	49 0
Osceola		
Pasco		
Polk		
Putnam		
St. Johns		
Santa Rosa		
Sumter		
Suwannee		
Suwannee	The second second	
Suwannee		
Suwannee Taylor. *Volusia Wakutla		
Suwannee Taylor *Volusia Wakulla Walton		
Suwannee		
Suwannee Taylor *Volusia Wakulla Walton		

^{*}Not reported

	AVOC. DO	AVOC. DO PEARS.	
COUNTIES.	Barrels.	*Value	
Alachua			
Baker			
Bradford			
Brevard			
Calhoun			
Citrus			
Clay			
Columbia.			
Dade			
DeSoto	The state of the s	A COMPANY OF THE PARTY OF THE P	
Duval			
Escambia		CHAIR SANCES	
Franklin			
Gadsden			
Hamilton			
Hernando			
Hillsborough			
Holmes			
Jackson			
Jefferson			
Lafayette			
Lake			
Lee		460 00	
Leon.		1 1 1 TO THE STATE OF THE STATE	
Levy		A STATE OF THE PERSON NAMED IN COLUMN	
Liberty			
Madison			
*Manatee			
Marion		A CONTRACTOR OF THE PARTY OF TH	
*Monroe			
*Nassau			
Orange			
Osceola			
Pasco			
Polk,			
Putnam			
St. Johns			
Santa Rosa			
Sumter			
Suwannee			
Taylor			
*Volusia			
Wakulla			
Walton			
Washington			
	-		
Total	19	1 \$2,460 00	

^{*}Not reported.

COUNTIES.	GUA	GUAVAS.	
COUNTES	Crates.	Value.	
Alachua		A CHECK	
Baker			
Bradford			
Brevard	. 5 395	\$2,960 00	
Calhoun			
Citrus	. 30	40	
Clay			
Columbia			
Dade			
DeSoto	6,656	6,656 00	
Duval	. 10	16 00	
Escambia			
Franklin			
Gadsden			
Hamilton			
Hernando	400	270 00	
Hillsborough	. 460	270 00	
Holmes		*********	
Jackson			
Jefferson Lafayette			
Lake	. 49	0.00	
Lee	1 005	583 00	
Leon		303 00	
Levy			
Liberty			
Madison			
*Manatee			
Marion		100000000000000000000000000000000000000	
*Monroe			
*Nassau			
Orange	. 29	26 00	
Osceola	. 440	440 00	
Pasco			
Polk			
Putnam			
St. Johns			
Santa Rosa			
Sumter			
Suwannee	ON WINCOMSTRUCTION		
Taylor			
*Volusia			
Wakulia			
Walton			
Washington			
maral .	1445	011 000 0	
Total	. 14.154	\$11.000 0	

^{*}Not reported.

COUNTIES.		COCOANUTS	
	Trees.	Nuts.	Value.
Alachua			
Bradford			
Brevard	1,175	36,350	\$1,840 00
Calhoun			
Citrus			
Clay			
olumbia			
Dade	1,000		
DeSoto	26		
Duval			
Escambia			
Franklin			
Gadsden			
Hamilton			
Hernando			
Hillsborough			
Holmes			
lackson			
lefferson			
Lafayette			
Lake			
Lee	2,906	6,500	230 0
Leon			OTTO TO
Levy			
Madison			
Manatee			
Marion			
Monroe		,	
Monroe			
Monroe			
Monroe Nassau Orange			
Monroe Nassau Orange			
Monroe Nassau Orange Osceola Pasco			
Monroe Nassau Orange Osceola Pasco Polk		2	
Monroe Nassau Drange Daccola Pasco Polk Putnam			
Monroe Nassau Drange Dsceola Pasco Polk Putnam St. Johns		2	
Monroe Nassau Drange Secola Casco Olk Putnam St. Johns Santa Rosa		2	
Monroe Nassau Drange Dsceola Pasco Polk Putnam St. Johns Santa Rosa Sumter Suwannee		2	
Monroe Nassau Drange Deceola Casco Colk Untnam St. Johns Santa Rosa Sumter Caylor Caylor Caylor			
Monroe Nassau Orange Decola Pasco Polk Putnam St. Johns Santa Rosa Sumter Suwannee Eavlor			
Monroe Nassau Orange Deceola Pasco Polk Putnam St. Johns Santa Rosa Sumter Guwannee Paylor Volusia Wakulla			
*Monroe. *Nessau Osceola Pasco Polk Putnam St. Johns Santa Rosa Sumter Suwannee Faylor *Volusia Wakulls Walton		2	
*Monroe. *Nessau. Orange Osceola. Pasco Polk. Putnam. St. Johns. Santa Rosa Sumter. Suwannee Faylor. *Volusia. Wakulla Walton			
Monroe Nassau Orange Osceola Pasco Polk Putnam St. Johns Santa Rosa Sumter Suwannee Laylor Volusia Wakulla		2	

^{*}Not reported.

COUNTIES.	PECANS.		
	Trees.	Bushels.	Value.
Alachua			
Baker		58	\$265 00
Bradford			4000
Brevard			
Calhoun			
Citrus	30		The same and the same
Clay	3,489	10	37 0
Columbia	89	38	
Dade	82	90	00 0
DeSoto		10	23 0
Duval		10	20 0
Escambia			
Franklin			10.100.000.000
lamilton			
Iernando			******
Hillsborough	50	10	25 00
Holmes		10	20 0
ackson			****
	7 150	550	1 050 0
efferson	7,150		1.650 0
Lafayette	33	10	30 0
ake	15	3	5 0
Jee	107	710	
eon	1,980	510	1,950 0
evy		*** *** ***	
aberty			
Madison			
Manatee			
Marion			
Monroe			
Nassau			
)range			*******
Osceola			
asco			
Olk			
Putnam			
st. Johns			
anta Rosa	500	_ 100	457 00
umter			
uwannee			
aylor			
Volusia			
Wakulla	20	20	20 0
Walton	51	4	8 00
Washington			
Total	10.000		
Total	13.689	1,318	\$4.559.0

^{*}Not Reported.

	STRAWBERRIES.		
COUNTIES.		1	
	Acres.	Quarts.	Value.
Alachua	102	80,840	\$ 7,575 00
Baker			
Bradford	167	152,520	11,250.00
Brevard			
Calhoun			
Citrus	4	8,600	1,620 0
Clay	17	9,400	2,642 0
Columbia			
Dade			
DeSoto	8	10,331	1.211 0
Ouval	36	25,626	2 973 0
Escambia	2	2,700	270 0
Franklin			
Jadsden			
Hamilton			
Hernando	11	6,550	1,100 0
Hillsborough	151	189,125	19.269 0
Holmes			
Jackson			
Tefferson	4	3,300	500 0
Lafayette			
ake	5	1,125	188 0
.00	1	400	95 0
eon		12,990	2,090 0
Levy			
Liberty			
Madison			
Manatee		na la parecia de la casa de la ca	
Marion	4	3,000	460 0
Monroe			
Nassau			
Orange	5	3,480	565 0
Osceola	1	500	200 •0
Paaco	219	614,010	52,400 0
Polk	78	85,830	9.495 0
Putnam	420		
St. Johns		15,000	1,600 0
Santa Rosa		10,000	1,000
Sumter			
Suwannee			
Caylor			
Volusia			MAN DAVID HOLD TO
Wakulla			
Walton		*******	*********
Washington			*****
acmingwii	TANKS CANDIDATE		
Total	1.074	1,297 022	\$132,561

^{*}Not reported.

NO. 3. FRUITS-Continued.

COUNTIES.	PEARS.		
	Trees.	Barrels.	Value.
Alachua	3,560	2,067	\$1,795 00
Baker	6,680	6,123	6,125 00
Bradford	88	125	105 00
Brevard			
Calhoun			
Citrus	934	1,708	2,348 00
Clay	14,158	865	3,398 00
Columbia	8,118	3,808	3.744 00
Dade	505	15	53 00
DeSoto	2,250	815	725 00
Escambia	~,~00	010	120 0
Franklin	1,554		
Gadsden			
Hamilton	128	156	340 00
Hernando	50	46	111 00
Hillsborough			
Holmes	5,000	200	300 00
Jackson	4,109	4,109	6.159 0
Jefferson	8,243 160	5,194	4,960 0
Lafayette	3,806	1,727	80 0 1,726 0
Lake	0,000	1,121	1,120 0
Lee,	10,000	6,500	6.500 0
Levy			
Laberty			
Madison			
*Manatee			
Marion	7,884	2,069	1,760 0
*Monroe			
*Nassau	204		
Orange	51	62	109 0 24 0
Osceola	1,250	1,875	3,685 0
Polk	1,000	1,010	0,000 0
Putnam	2,762	11,580	11,418 0
St. Johns	6,945	6,685	6,765 0
Santa Rosa	5,000	- 500	1,075 0
Sumter			
Suwannee			
Taylor			
*Volusia			050.0
Wakulla	141	254 1,609	652 0 1,286 0
Walton	1,740	1,008	1,200 0
Washington			
Total :	95,323	58,194	\$65,243 0

^{*}Not Reported.

COUNTIES.		PEACHES.		
	Trees.	Bushels.	Value.	
Alachua	4,345	2,630	\$2,230 60	
Baker		15,045	11,041 00	
Bradford		62	74 00	
Brevard				
Calhoun				
Citrus	8,278	4,120	3,639 00	
Clay	6,518	199	474 00	
Columbia		3,441	2,281 00	
Dade				
DeSoto	2,120	346	557 00	
Daval		1,285	1,200 00	
Escambia				
Franklin		7		
Gadsden				
Hamilton				
Hernando		243	354 0	
Hillsborough		618	765 0	
Holmes	800	1,400	700 0	
Jackson				
Jefferson		206	215 0	
Lafayette		742	743 0	
Lake		671	815 0	
Lee		0 000	0.000.0	
Leon		2,200	2,200 0	
Levy				
Madison				
Madison				
*Manatee		2,807	1.793 0	
Marion*Monroe		2.001	1.180 0	
*Nassau				
Orange		1.274	1.506 0	
Osceola		2.260	4 520 0	
Pasco		1.940	3 485 0	
Polk		194	426 0	
Putnam				
St. Johns	60			
Santa Rosa			2.338 0	
Sumter		0,111	2.030	
Suwannee			SEALER NO.	
Taylor				
*Volusia				
Wakulla	1.655	2.498	2.496 0	
Walton	2,473		1.607 (
Washington				
	<u> </u>			
Total	118 045	81 716	\$71.149 0	

^{*}Not reported.

140

NO. 4. LIVE STOCK.

COUNTIES.	HORSI	ES.	MULE	8.
COUNTRS.	No.	Value.	No.	Value.
Alachua	2,438	\$139,165	1,077	\$70,665
Baker	474	26,542	280	18,810
Bradford	1,126	57,625	139	7,210
Brevard	294	15,480	4	240
Calhoun	429	18,970	32	2.135
Citrus	614	34,625	162	12,350
Clay	540	18,200	56	2,390
Columbia	1,292	71.170	751	44,610
Dade	21	1,300	3	180
DeSoto	1,392	42,694	51	1,945
Duval	575	37,513	154	14,760
Escambia.	1,253	82,705	246	20,565
Franklin	52	4,715	~200	20,000
Gadsden	1.546	61,750	872	34,880
Hamilton	1.036	65,001	671	47.315
Hernando	492	21,900	184	9,730
Hillsborough	2,369	114.017	283	19,000
Holmes,	400	20,000	391	22,460
Jackson	2,873	143,650	909	45,450
Jefferson	1,028	45.381	1,328	77.623
Lafavette	480	20,020	142	8,110
Lake	903	41,870	193	
	296	13.845	7	11,640 415
Lee	1.460	69,880	780	37,230
Leon	1,330	51,915	700	01,200
Levy	186			2,675
Liberty	1,351	11,179	48	
Madison	1,001	64,353	815	45.588
*Manatee	2,299	70 E4E		11 000
Marion	2,200	73,545	245	11,396
*Monroe				
*Nassau	1,759	93,530		01 00.
Orange	706	23,090	353	21,93(
Osceola	893		67	3.280
Pasco		29,220	231	9.640
Polk	1,629	81,450	182	9,600
Putnam	1,910	115.516	500	32,025
St. Johns	754	5,490	65	2.250
Santa Rosa	824	31,277	18	810
Sumter	1,300	49,590	64	3.05
Suwannee	1,810	45,704	445	18,800
Taylor	395	16,551	82	3,80
*Volusia		00 700		19.00
Wakulla	510	23.539	210	13.02
Walton	655	27,865		4 046
Washington	817	23,925	110	4,680
Total	42,540	\$1,931,757	12,196	\$599,228

^{*}Not reported.

141

NO. 4. LIVE STOCK-Continued.

	ASSI	ES,	STOCK CA	TTLE.
COUNTIES.	No.	Value.	No.	Value.
Alachua	1 4	\$310	10.000	200 000
Baker	4	4910	13,937	\$99 278
Bradford			5.536	27.68
Brevard	I I SANGE OF THE REAL PROPERTY		2,616 3,857	12,99
Calhoun	The control of the co		5,757	38 75
Citrus			8,149	29,92
Clay	1747/1000/000/00/00/00/00	A RECEIVED AND PROPERTY OF A STATE OF STREET	7,453	46,56
Columbia			9,595	44.73
Dade			600	47.69
DeSoto		50	42,748	6,00
Duval		30	7.776	171.87 47.14
Escambia			7.948	
			1,610	52,21 8,97
Gadsden	11		5,072	45 85
Hamilton	2	125	6.871	
		120	4.722	39,43 28,32
Hillsborough	3	325	35,097	163.15
Holmes	01	75	5,082	
Jackson		19		20 41
			11,999	59.99
Jefferson			4,166	21,57
Lafayette	2		2,460	15,30
Lake	2	40	6,615	33.66
Lee			22.227	90.92
Leon	3	1,000	5,710	32,11
Levy			15,615	78,07
Liberty	1	25	4,039	21,08
Madison			6,531	32,52
*Manatee		************	14 000	
Marion	4	110	14,370	72,75
*Monroe				
*Nassau			10 000	
Orange	1	10	16,385	81,16
Osceola	5	50	32,231	161,38
Pasco	2	200	7,760	38,2
Polk			37,793	188,96
Putnam			3,465	26,57
St. Johns			7,221	17,49
Santa Rosa			10,398	43,51
Sumter			10,894	56.06
Suwannee	. 1	50	9,590	47,93
Taylor			9,167	22,49
*Volusia				
Wakulla	1	20	7,884	29.90
Walton			6,645	33,25
Washington	. 3	40	8.814	43,47
Total	. 34	\$2.430	431,005	\$2.167.10

^{*}Not reported.

142

NO. 4. LIVE STOCK-Continued.

	SHER	P.	GOAT	8.
COUNTIES.	No.	Value.	No.	Value.
Alachua	1,240	\$2,400	275	\$290»
Baker	618	1,241	607	598
Bradford	650	750	805	415
Brevard				
alhoun	3,895	4,781	732	358
itrus	2,120	4,130	250	360
lay'	515	515	391	391
olumbia	549	1,179	523	268
)ade				
DeSoto	1.915	3,684	16	34
Ouval	580	1,033	237	310
Escambia	8,550	17,100	970	485
ranklin	461	705		
adsden	729	729	1,952	985
Hamilton	403	786	386	492
Iernando	670	930	790	790
Hillsborough	4,115	7,775	635	850
Holmes	5,082	6,352	30,094	1,547
ackson	1,791	2,454	366	183
efferson	217	301	701	318
Lafayette			150	75
ake	10	25	183	193
ee	1			
eon	500	1,000	400	400
evy	565	565		
iberty	634	1,333	215	135
Madison	75	75	32	16
Manatee				
farion	2,530	6,160	2,381	1,055
Monroe				
Nassau				
Orange	. 63	121	6	18
Osceola	1	3,870		
Pasco	520	1,220	660	1,500
Polk	3,125	6,779	46	61
utnam	0,1.40			
St. Johns	. 40	40		
Santa Rosa	100 2000	16,882	220	120
Sumter	1.274	1,845	470	518
Suwannee			301	118
Taylor	219	110	207	109
Volusia				
Wakulla	. 368	254	546	25'
Walton	17,456	25,969		
Washington	7,728	10,564	889	45
Total	. 81,237	\$132,047	19.126	\$14 510

^{*}Not reported;

NO. 4. LIVE STOCK-Continued.

	Hogs	
COUNTIES.	No.	Value.
Alachua	6,290	\$ 10,452
Baker	2,798	2,872
Bradford	3.620	3,620
Brevard	1.960	5,765
Calhoun	5,896	5,799
Citrus	10,129	10,419
Clay	4,065	4,06
Columbia	13,510	32,780
Dade	10,010	00,10
DeSoto	8,106	8,130
Duval	4,585	10.68
Escambia	5,597	5.63
Franklin	565	858
Gadsden	7,473	7.478
Hamilton	16,302	32.67
Hernando	5,067	9,560
Hillsborough	14.045	18,79
	7.669	7,66
Holmes		22,28
Jackson	22,281	46.63
Jefferson	23,477	
Lafayette	12,550	12,55
Lake	6,020	10.44
Lee	2,103	2.70
Leon	19.980	53.11
Levy	5,555	5.55
Liberty	3.997	4,60
Madison	1,544	15,71
*Manatee		0.44
Marion	8,466	8,11
*Monroe		
*Nassau		
Orange	5,384	7.34
Osceola	₫ 3.279	3,27
Pasco	7,770	. 8,13
Polk	11.970	11.97
Putnam	11.342	18,58
St. Johns	3,220	4.51
Santa Rosa	3,209	2.80
Sumter	4,550	4 76
Suwannee	7,178	7,17
Taylor	5,786	5,00
*Volusia		
Wakulla	11,041	11,11
Walton	5,672	5,67
Washington	6,075	6,13
Total	310,126	\$316,05

^{*}Not reported.

144

NO. 5. POULTRY.

	CHIC	KENS.	DUCKS.	
COUNTIES.	No.	Value.	No.	Value.
Alachua	9,411	\$ 1,824	127	\$ 55
Baker	14,696	4,351	856	354
Bradford				
Brevard	11,955	5,965		
Calhoun	6,890	1,825		
Citrus	12,579	3,556	215	159
Clay	11,570	3,427	146	78
Columbia	53,507	13,430	94	4
Dade				
DeSoto	16,852	4,193	388	15
Duval	21,795	7.542		
Escambia	57.700	8,655		
Franklin	34,362	6.510	206	103
Gadsden	21,686	3,713		
Hamilton	34,306	8 396	67	34
Hernando	6.684	1,759	20	10
Hillsborough	63,392	19,217	6	
Holmes	17,797	4,439	2,000	50
Jackson	41,460	8,292	22	1
Jefferson	44,122	8,991	164	4
Lafayette	3,250	1,114	250	110
Lake	25,289	6,593	253	84
Lee	5,439	1.877	52	2
Leon	82,610	16.980	1,290	39
Levy	10.200	2.542		
Liberty	5.178	1,084	159	4
Madison	5,378	1,237		
Manatee				
Marion	29,698	7,441	322	17
Monroe				
Nassau				
Orange	42,999	16,299	118	6
Osceola	13.875	3,498	195	17
Fasco	27,545	7,275	1,150	59
Polk	38,888	8,803	390	25
Putnam	69,478	43,236	23	and of the said
St. Johns	3,260	1,008		
Santa Rosa	2 115	446		
Sumter	5.479	1,660		
Suwannee				
Taylor	9,919	2.003		
*Volusia				
Wakulla	32.771	8,138	22	
Walton	11,270	2,680	67	1
Washington	10,365	2,048		
Total	922.330	\$ 242 037	8.604	\$ 3,468

^{*}Not reported.

145

NO. 5. POULTRY-Continued.

	GEE	SE.	TURKI	eys.
COUNTIES.	No.	Value.	No.	Value.
Alachua	142	72	485	37
Baker	3,478	2,387	2,021	1.40
Bradford				
Brevard			. 1,735	2.64
Calhoun	288 120	214	200	69
Citrus	340	160 340	696 315	29
Clay Columbia	445	219	430	29
Dade	110	210	400	~0
DeSoto	577	435	847	86
Duval	0	200	OTA	00
Escambia	106	53	191	19
Franklin	227	227	255	25
Gadsden				
Hamilton	3,636	1,955	278	20
Hernando	30	25	67	6
Hillsborough	12	6	10	1
Holmes	3.908	1,954	576	43
Jackson	1 654	827	1.346	67
Jefferson	532	251	982	64
Lafayette	602	301	210	21
Lake	45	42	801	53
Lee	8	4	47	4
Leon	780	. 390	6,090	4.50
Levy				
Liberty	30	16	62	3
Madison *Manatee	110	54		
Marion	2.041	1,270	2 721	3.60
*Monroe	2,041	1,270	2 121	3.00
*Nassau	*** *****			
Orange	43	38	372	46
Osceola	390	390	667	66
Pasco	1 395	1.395	1.870	1,87
Polk	330	263	882	- 88
Putnam			383	26
St. Johns				
Santa Rosa	280	151.	149	10
Sumter	15	8	90	6
Suwannee				
Taylor	232	121	205	16
*Volusia				
Wakulla	101	90	65	8
Walton	186	93	135	_ 12
Washington	31	16	80	4
Total	22.084	\$14.062	22.973	*22.69

^{*}Not reported.

NO. 5. POULTRY-Continued.

COUNTIES.	EGGS SOLD AND USED		
	Dozen.	Value.	
Alachua	8,181	\$1 374	
Baker	56,607	6,974	
Bradford			
Brevard	116,690	16,938	
Calhoun	8,800	880	
Citrus	49,750	14,110	
Clay	25,975	3,913	
Columbia	60,719	6,033	
Dade			
DeSoto	123,974	18,835	
Duval	57,931	10,705	
Escambia	104,800	15,720	
Franklin			
Gadsden	63,115	6,391	
Hamilton	55,959	6,768	
Hernando	18,500	3,620	
Hillsborough	83,898	27,326	
Holmes	25,000	2,500	
Jackson	82,920	16,584	
Jefferson	105,810	10,587	
Lafayette	4,080	705	
Lake	41,628 13,135	6,348 3,263	
Leon	268,890	28,990	
	200,000	20,000	
Levy	34,386	1.424	
Madison	26,800	2,590	
*Manatee	20,000	2,000	
Marion.	146,081	14,617	
*Monroe	110,001		
*Nassau			
Orange	87,946	17:724	
Osceola	13,430	2,035	
Pasco	269,200	29,180	
Polk	68,937	9,829	
Putnam	155,810	24,998	
St. Johns			
Santa Rosa			
Sumter	1,950	319	
Suwannee			
Taylor	14,550	768	
*Volusia			
Wakulia	81,866	8,339	
Walton		*****	
Washington	16,292	1,688	
Total	2,233,631	\$320.235	

^{*}Not reported.

147

NO. 6. DAIRY PRODUCTS.

	MILCH CO	ows.	MILK SOLD A	ND USED.
COUNTIES.	No.	Value.	Gallons.	Value,
Alachua	47	\$1,260	8,500	\$2,425
Baker	1,394	13,940	69,220	27,708
Bradford				
Brevard	179	4,975	20,718	6,145
Calhoun				
Citrus	1,278	20,000	77,200	15,910
Clay	321	3,260	12,950	5,180
Columbia	1,238	12,861	66,005	26,129
Dade	17	360		
DeSoto	895	13,054	93,910	18.89
Duval	2,314	22,522	122,558	24 929
Escambia	205	4,560	43,300	10,82
Franklin	275	2,415		
Gadsden	408	4,080	163,900	40,56
Hamilton	2,525	15,727	71,045	27.23
Hernando	413	5,050	44,720	8.94
Hillsborough	744	25,025	102,056	27.73
Holmes	1,018	10,180	85,000	17.00
Jackson	1,490	14,900	149,000	49,60
Jefferson	1,724	15,739	129,119	26,73
Lafayette	506	4,500	24,150	8.69
Lake	596	14,987	63,698	19,85
Lee	545	8,784	27,544	8,87
Leon	3,495	57,340	410,820	65,98
Levy	3,569	35,690		
Liberty	12	845	3,310	91
Madison		0.0	0,010	
*Manatee				
Marion	- 4	200	5,000	2,00
*Monroe		200	0,000	~,~~
*Nassau				
Orange	815	21,435	282,750	82,45
Osceola	544	10,105	35,695	5,00
Pasco	256	8,240	59,600	17,85
Polk	423	9,175	145,549	59,07
Dutnam	1,217	27.581	41,116	12.30
Putnam	1,214	21,001	41,110	10,00
St. Johns				
Santa Rosa				
Sumter				
Suwannee	1.050	4 855	91 175	5,60
Taylor		4,655	21,175	0,00
*Volusia	1,605	0 710	00 405	8,21
Wakulla	1,605	6,712	28,465	0,21
Walton			20.00	0.00
Washington]	1,293	6,893	30,665	8,95
mil		A440 PP0	0.400 700	0044 00
Total	33,223	\$410.550	2,439,568	\$641.62

^{*}Not reported.

148

NO. 6: DAIRY PRODUCTS-Continued.

Pounds, Value. Pounds, Value.	COUNTIES.	BUTTER SOLD	AND USED.	CHEESE SOLI	AND USED.
Baker	COUNTIES	Pounds.	Value.	Pounds.	Value.
Baker	Alachua	1,450	\$450		
Bradford Brevard Calhoun Citrus	Baker		2 969		
Brevard Calhoun Coltrus 45,080 11,390 Clay 3,475 695 Columbia 13,265 3,272 Dade Dade DeSoto 23,473 5,870 Duval 2,428 493 Escambia 760 156 Franklin Gadsden 80,200 16,960 Hamilton 33,210 8,264 Hernando 8,910 2,229 100 \$10 Hillsborough 6,500 1,970 Holmes 1,806 450 Jackson 14,900 2,986 Jackson 14,900 2,986 Jackson 14,900 2,980 Jefferson 30,066 6,155 45 50 Jefferson 30,066 3,990 1,800 180 Jefferson 30,066 3,990 1,800 180 Jefferson 3,991 3,990 1,800 180 Jefferson 3,991 3,990	Bradford				
Calhoun Citrus					
Clay					
Clay	Citrus	45,080	11.390		
Columbia 13,265 3,272 Dade 28,473 5,870 DeSoto 23,473 5,870 Duval 2,428 493 Escambia 700 156 Franklin 600 156 Gadsden 80,200 16,960 Hamilton 33,210 8,264 Hernando 8,910 2,229 100 Hillsborough 6,500 1,970 Holmes 1,800 450 Jackson 14,900 2,980 Jefferson 30,066 6,155 45 Lafayette 340 80 Lake 28,050 7,220 Lee 2,615 680 Leon 165,810 38,990 1,800 Lev 1,980 396 Madison **Manatee Marion **Massau Orange 3,991 1,194 Osceola 4,045 1,089 Pasco 19,650	Clay				
Dade					
Duval	Dade	,	0,2		
Duval 2,428 498 Escambia 760 156 156	DeSoto	23,473	5.870		
Escambia 700 156					
Franklin Gadsden 80.200 16.960 Hamilton 33,210 8,264 Hernando 8.910 2,229 100 \$10 Hillsborough 6,500 1,970 100 \$10 Holmes 1,800 450 450 450 Jackson 14,900 2,980 450 45 4					
Gadsden 80.200 16.960 Hamilton 33.210 8.264 Hernando 8.910 2.229 100 Hillsborough 6.500 1,970 Holmes 1,800 450 Jackson 14,900 2,980 Jefferson 30,066 6,155 45 Lafayette 340 80 Lake 28,050 7,220 Lee 2.615 680 Leon 165,810 38,990 1,800 Heevy 1,980 396 Liberty 1,980 396 Madison **Manatee Marion **Manatee Marion **Monroe **Nassau 0range 3,991 1,194 Osceola 4,045 1,089 Pasco 19,050 5,665 7,300 73 Polk 24,356 6,251 7,300 73 St. Johns Santa Rosa Suwannee 1,340 695			100		
Hamilton 33,210 8,264 Hernando 8,910 2,229 100 \$10 Hillsborough 6,500 1,970 450 10 Holmes 1,800 450 450 10 Jackson 14,900 2,980 450 45 10 Jefferson 30,066 6,155 45 45 10 </td <td></td> <td>80.200</td> <td>16 960</td> <td></td> <td></td>		80.200	16 960		
Hernando. 8.910 2,229 100 \$100 Hillsborough 6,500 1,970	Hamilton				
Hillsborough 6,500 1,970 1,970 1,970 1,970 1,970 1,970 1,970 1,800 450 1,800 2,980 1,970 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,800 1,970 1,980 1				100	\$10
Holmes					***
Jackson 14,900 2,980 45 5 45 5 48 45 48 45 48	Holmes				
Jefferson 30,066 6,155 45 Lafayette 340 80 Lake 28,050 7,220 Lee 2615 680 Leon 165,810 38,990 1,800 180 Levy 1,980 396 <t< td=""><td>Jackson</td><td></td><td></td><td></td><td></td></t<>	Jackson				
Lafayette. 340 80 Lake. 28,050 7,220 Lee. 2615 680 Leon. 165,810 38,990 1,800 Levy 1,980 396 Liberty. 1,980 396 Madison. *Manatee. Marion. *Monroe. *Nassau. 00range. 3,991 1,194 Osceola. 4,045 1,089 Pasco. 19,050 5,665 7,300 780 Polk. 24,356 6,251 Putnam. 10,948 3,528 St. Johns. Santa Rosa. Suwannee. Taylor. 3,140 695 *Volusia. Wakulla. 10,030 2,465 Walton. Washington. 18,867 3,793				AND ADDRESS OF THE PARTY OF THE	
Lake 28,050 7,220 Lee 2615 680 Leon 165,810 38,990 1,800 180 Levy 1,980 396 396 396 Madison *Manatee 4,045 1,194 4,045 1,089 1,194 4,045 1,089 1,089 1,094				20	
Lee	Lake				
Leon. 165,810 38,990 1,800 186 Levy 1,980 396					
Levy Liberty Madison *Manatee Marion *Monroe *Nassau Orange Osceola 4,045 1,089 Pasco 19,050 5,665 7,300 780 Polk 24,356 6,251 Putnam 10,948 3,528 St. Johns Santa Rosa Sumter Suwannee Taylor *Yolusia Wakulla 10,030 2,465 Walton Washington 1,980 396 1,980 1,194 1,1				1 800	180
Liberty 1,980 396 Madison **Manatee Marion **Monroe **Nassau Orange 3,991 1,194 Osceola 4.045 1,089 Pasco 19,050 5.665 7,300 730 Polk 24.356 6.251 Putnam 10,948 3,528 St. Johns Santa Rosa Sumter Suwannee Taylor 3,140 695 **Volusia Wakulla 10,030 2,465 Walton Washington 18,867 3,793		100,010	00,000	1,000	100
Madison *Manatee Marion *Monroe *Nassau Orange 3,991 1,194 Osceola 4,045 1,089 Pasco 19,050 5,665 7,300 73 Polk 24,356 6,251 7,300 73 Putnam 10,948 3,528 5 St. Johns Santa Rosa 5 5 Sumter Suwannee Taylor 3,140 695 695 *Volusia Wakulla 10,030 2,465 0 Walton 18,867 3,793 3,793		1 980	308		
*Manatee. Marion. **Monroe. **Nassau. Orange	Madison	1,000	000		
Marion *Monroe *Nassau 3,991 1,194 Orange 4,045 1,089 Pasco 19,050 5,665 7,300 78 Polk 24,356 6,251 7,300 78 Putnam 10,948 3,528 3,528 St. Johns Santa Rosa Sumter 8 Suwannee Taylor 3,140 695 40 *Volusia Wakulla 10,030 2,465 40 Walton 18,867 3,793 3,793 3,793		1.0.0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	*** *******		
*Monroe *Nassau Orange 3,991 1,194 Osceola 4.045 1.089 Pasco 19,050 5.665 7,300 73 Polk 24 356 6.251 Putnam 10,948 3,528 St. Johns Santa Rosa Sumter Suwannee Taylor 3,140 695 *Volusia Wakulla 10,030 2,465 Walton Washington 18,867 3,793		**********			
*Nassau Orange 3,991 1,194 Osceola 4,045 1,089 Pasco 19,050 5,665 7,300 73 Polk 24,356 6,251 Putnam 10,948 3,528 St. Johns Santa Rosa Sumter Suwannee Taylor 3,140 695 *Volusia Wakulla 10,030 2,465 Walton Washington 18,867 3,793			The second secon		
Orange. 3,991 1,194 Osceola. 4,045 1,089 Pasco. 19,050 5,665 7,300 78 Polk. 24,356 6,251 Putnam. 10,948 3,528 St. Johns. Santa Rosa. Sumter. Suwannee. Taylor. 3,140 695 *Volusia. Wakulla 10,030 2,465 Walton. Washington 18,867 3,793	*Naggan	Secretary and the second secon			
Osceola 4,045 1,089 Pasco 19,050 5,665 7,300 73 Polk 24,356 6,251 73 73 Putnam 10,948 3,528 73 73 St. Johns 3,528 73 74 73 74 74 74			1 104		
Pasco 19,050 5,665 7,300 78 Polk 24,356 6,251 73 Putnam 10,948 3,528 St. Johns 3,528 Santa Rosa Sumter Suwannee Suwannee Taylor 3,140 695 *Volusia 40,030 2,465 Wakulla 10,030 2,465 Walton 18,867 3,793					
Polk 24.356 6.251 Putnam 10,948 3,528 St. Johns 3,528 Santa Rosa Sumter Suwannee Taylor 3,140 #Volusia 40,030 2,465 Wakulla 10,030 2,465 Walton 18,867 3,793	Pasco	10.050			700
Putnam 10,948 3,528	Polk	94 358			100
St. Johns Santa Rosa Sumter Suwannee Taylor					************
Santa Rosa		10,540	0,020		
Sumter Suwannee Taylor 3,140 695 *Volusia Wakulla 10,030 2,465 Walton Washington 18,867 3,793					
Suwannee 3,140 695 Taylor 3,140 695 *Volusia 2,465 Wakulla 10,030 2,465 Walton 3,793					
Taylor					
*Volusia. Wakulla 10.030 2,465 Walton 18,867 3,793		8 140	605		
Wakulla 10.030 2,465 Walton 18,867 3,793		0,140	080		
Washington 18,867 3,793	Wakulia		9 485		
Washington 18,867 3,793	Walton	10.000	2,400		
		18 867	9 709		
Total 567 608 \$196 840 0.045 200	monington	10,007	0,790		/
	Total	567,608	\$126,349	9,245	*928

^{*}Not reported.

149

NO. 7. MISCELLANEOUS PRODUCTS.

		WOOL.		
COUNTIES.	Fleeces.	Pounds.	Value.	
Alachua	830	1,740	\$250 OO	
Baker Bradford	520	1,020	210 00	
BrevardCalhoun	3,606	10,813	2,158 00	
Clay	1,700	2,560	512 00	
Columbia	611	1,500	238 00	
DeSoto	1,665	4,155	421 00	
Escambia	8,550	25,650	4,275 00	
Gadsden	929 298	2,065 410	413 60 66 00	
Hernando	620	1,860	305 00	
Hillsborough	3,507 5,082	10 575 12,705	1,056 00 1,398 00	
Jackson	1,665	4,995	667 00	
JeffersonLafayette	244	446	45 00	
Lake				
Leon	300	900	180 00	
LevyLiberty	530	1,704	223 00	
Madison *Manatee				
Marion* *Monroe	2,437	6,925	1,184 00	
*Nassau				
Orange	1,385	4,155	831 00	
Pasco	170 2,343	510	110 00	
Polk	2,345	6,521	742 00	
St. JohnsSanta Rosa.	13,444	39,676	8,096 00	
Sumter				
Taylor				
*Volusia. Wakulla.	43	129	27 00	
Walton	16,946 6,977	50,829 20,631	9.973 00 2,292 00	
Total	74,402	220,174	\$36,073 00	

^{*}Not reported.

NO. 7. MISCELLANEOUS PRODUCTS-Continued.

		HONEY.	
COUNTIES.	Stands of Bees.	Pounds. Honey.	Value.
Alachu		2,100	\$180 00
Baker		2,100	\$100 00
Bradford Brevard Calhoun	1,126 2,896	116,500 169,000	16.310 00 18,170 00
Citrus	24	810	100 00
Clay		1 900	117 00
Columbia Dade		1,360	117 00
DeSoto		29,410	2,941 00
Duval		620	77 00
Escambia		7,950	795 00
Franklin	-		
Gadsden			
Hamilton	111	1,025	102 00
Hernando			
Hillsborough		2,025	222 00
Holmes	300	6,000	600 00
Jackson			
Jefferson		1,415	141 00
Lafayette		*******	
Lake		4,685	416 00
Lee		1,695	205 00
Leon		9,100	610 00
Levy		43,803	2,643 00
Madison		45,005	2,040 00
*Manatee			
Marion	-	4,950	762 00
*Monroe		1,000	100,00
*Nassau			
Orange		3,810	391 00
Osceola	1		
Pasco		100	15 00
Polk	. 108	1,738	195 00
Putnam		127,418	2,220 00
St. Johns		5,950	
Santa Rosa	. 2	100	5 00
Sumter			
Suwannee			
Taylor			
*Volusia Wakulla	494	1 470	606 0
Walton	494	1,472	696 0
Washington			
Broat 111 111 111			
Total	12,605	548,036	\$49.581 00

^{*}Not reported.

NO. 7. MISCELLANEOUS PRODUCTS-Continued.

COUNTIES.	GRAPE VINES.				
	GRA	PES.	WI	WINE.	
	Pounds,	Value.	Gallons.	Value.	
A Laboratoria de la Companya de la C					
Alachua	40 500	\$ 2,524	1.420	\$1,420	
Bradford	10,000	\$ 2,021	1,200	\$1,200	
Brevard					
Calhoun			******	* * * * * * * * * * * * * * * * * * * *	
Citrus	30,000	610	680	150	
Clay	4,300				
Columbia	15,675				
Dade	10,010	002	0.0	000	
DeSoto	28,860	1,204	230	86	
Duval	24,758			54	
Escambia	22,100	1.011	100	0.7	
Franklin					
Gadsden					
Hamilton	2,207	386	560	56	
Hernando	2,201	000	000	00	
Hillsborough	500	50			
Holmes				22	
Jackson	10,000	000	100	201	
Jefferson	1.340	94	506	23	
	Tel 15 (200)	1212		20	
Lafayette LakeLake	1	- 200	The second second	15	
Lee	0,000	200	130	10	
Leon	214,000	15,840	8,690	9.59	
		10,010	0,000	8,00	
Levy					
Liberty					
*Manatee	4,000	200	100	10	
Marion			100	10	
*Monroe					
*Nassau	11,112	1,137	400		
Orange	11,112	1,107	400	40	
Osceola	14 900	1 470	1,590		
Pasco				1,50	
Polk	17,510			47.00	
Putnam				15,68	
St. Johns		1,000			
Santa Rosa					
SuwanneeTaylor					
*Volucie					
*Volusia	11,400	398	100		
Wakulla	11,400	398	460	46	
Washington		20	1 000	1 04	
Washington	. 200	20	1,020	1,01	
Total	100 100	0 40 500	39.777	\$34.27	

^{*}Not reported.

NO. 7. MISCELLANEOUS PRODUCTS-Continued.

	FIG	s.	Moss.	
COUNTIES,	Bushels	Value.	Tons.	Value.
lachua	1 2 2			
Baker				
Calhoun	175	\$225		
itrus				
lay				
Columbia				
)ade	12			
Desoto	12	33		
Ouval				
Escambia				
ranklin				
ładsden				
Hamilton				
Iernando				
Hillsborough				
Iolmes	600			
ackson				
efferson	3	8	10	\$100 0
afayette				P 100 0.
ake	21	40	5	200 00
ee				200 0
eon	650	500	800	8,000 0
			000	0,000 0
evy				
		INTERNATIONAL PROPERTY.		Professional Control
fadison				
Manatee			INVESTIGATION OF THE PROPERTY	
farion				
Monroe				
Nassau				
)range	4			
Secola				
asco				
Polk				
atnam			8	111 0
t. Johns				
anta Rosa				1000
lumter				
uwannee				
avlor				
Volusia				
Wakulla		1000000000000000000000000000000000000		
Walton	***			
	30	30		
Washington				
Washington	30	- 00		

^{*}Not reported.

NO. 8. TOTAL VALUE: OF FARM PRODUCTS BY COUNTIES.

COUNTIES.	Annual Froducts.	Live Stock and Poultry.	Totals.
Alachua	\$360,528	\$327.514	\$688,037
Baker	THE PROPERTY OF THE PARTY OF TH		389,169
Bradford	200.982	85.610	286,592
Brevard	308,096		381,916
Calhoun			168,641
Citrus	223.257		356,269
Clay	50.522		128 208
Columbia		- (5) 100 (5) 253	639,650
Dade	365,238		373,078
DeSoto			699.797
Duval			269.347
Escambia	123,195		315,351
Franklin			
Franklin	199,603		33,970
Gadsden			959,068
Hamilton	337,558		549,708
Hernando			
Hillsborough			705.947
Holmes	. 124,238		220,22
Jackson	. 855,168		
Jefferson	. 556,196		773.700
Lafayette	. 263,864		326,104
Lake	. 148.836	120,117	268,95
Lee	163,766	118,622	282,388
Leon	1.081.86	274,337	1.356,200
Levy	97.204	171,800	269,004
Liberty		42,598	91.94
Madison	471.851		631,38
Manatee			
Marion	625,088	185,814	810,90
Monroe			
Nassau	007 011	040 007	470 000
Orange			478,90
Osceola	110,894		320,63
Pasco			
Polk	. 322,89		641.10
Putnam	. 436,188		698,97
St. Johns	. 163.88		
Santa Rosa			
Sumter	. 40,78		157,85
Suwannee	. 397.55		
Taylor*	. 74,02	55,031	129,05
*Volusia	100 10	93,257	215,43
Wakulla	122,19		
Walton Washington	97.48		
Total	\$11.795,06		\$17.906.06

^{*}Not reported.

TABLE NO. 9-- TOTAL ACREAGE.

Field crops. Vegetable and garden products	860,684 21,378
Total acreage in cultivation	882.062

TABLE NO. 10--TOTAL VALUE OF FARM PRODUCTS.

Table No. 1-Field crops	\$7,958,500
Table No. 2-Vegetable and garden products	
Table No. 3-Fruit crops	
Table No. 4-Live stock	
Table No. 5—Poultry	602,493
Table No. 6-Dairy products	768 899
Table No. 7-Miscellaneous products	170.543

TABLE NO. 11.-TABLES OF CROP AVERAGES FOR PERIODS OF FIVE AND TEN YEARS, 1898.

· TABLE 1.	Year.	Upland Cotton.	Sea-Island Cotton.	Corn.	Sugar Cane.	Sweet Po-	Field Peas.	Rice.	Rye	Peanuts.	Нау.	Tobacco.	Cabbage.	Irish Pota toes.	Tomatoes.		English Peas.	Beans.	Egg Plants.	Water- melons.	Strawber- ries.
Average	1889	95	89	100,82	100	97	95	100	85	98	80	84	90	89	99 82	81 79	75 78	86 85	76	95 75	92
Average:	1890	80	84	97 60		100	96	98	83	100	100	H9	85	79	82	79	78	400	78	100	82 98
Average	1891	87	89	93 84			98	100	81	98	100	100	100	100	93	92	94	100		100	81
Average	1892	58	42	100 60		100	99	79	65	100	100	80	80	63	82	87	75 95	79 95	82 90	99	98
Average	1893	76	78	98 98	100	100	97	98	86	100	100	98	100	100	100	97	89	90	90		80
Gen'l Av'ge 5 years.	notes.	79	76	98 78	100	99	97	95	80	99	96	90	91	86	91	87	87	89	84	91	89
TABLE 2.		-49/3											31	× 11 can			4				2
Average	1894	84	78	97 89	100	100	97	100	84		100		96 80	85	92 98	85	90 82 64	90 87 80 83 70	88	99 87	82 85
Average	1895	76	80	100 8			100		70	100			80	85 74 73 75	86	87 79 74	82	87	100	87	85
Average	1896	70	77	89 90		90	86 91	98	72 81	95 92	95	100	87 85	73	94	79	64	80	90	87	91
Average	1897	71	70	83 70		92	91	92	81	92	93	97	85	75	87	74	81	83	76	95	8:
Average	1898	58	60	85 6	92	93	86	91	68	96	98	82	75	65	68	64	65	70	75	84	76
Gen'l Av'ge 5 years.		72	Control of the last of the las	91 79		110000	The second second	95	75	97	97	92	85	1000	85	78	76	82	86	90	88
TABLE 3.	1922	Re	capit	ulation	, She	owing	g Ave	erage	Anı	nual	Crop	Pro	ducti	ion fo	r 10	Year	18.				
General Average	1889 to 1893	79	76	98 78	100	99	97	95	80	99	96	90	91	86	91	87	~87	89	84	91	89
General Average	1894 to 1898	72	78	91 79	89	95	92	95	75	97	97	92	85	74	85	78	76	82	- 86	90	83
Gen'l av'age 10 years		75	75	95 79	95	97	95	95	78	98	97	91	88	80	88	83	82	86	85	90	86

TABLE No. 12. (Condensed.)

PRINCIPAL ARTICLES OF FLORIDA PRODUCTION EXPORTED FROM FLORIDA DURING THE YEAR 1897.

ARTICLES	PACKAGES.	QUANTITIES.	EXPORT VAL- UATIONS.	
Cotton (Upland)	Bales	39,533	\$ 1,172,335	
('otton (Sea Island)	Bales	22,143	THE RESIDENCE OF LANGUAGE	
Oats	Bushels	185,100		
	Bushels	15,218		
Syrup	Barrels	16,427		
Sugar	Pounds	127,210		
Rice	Bushels	59,620		
Field Peas	Bushels	48,275		
Peanuts	Bushels	221 321	212,197	
Irish Potatoes	Bushels	186,935		
Cabbage	Barrels	162,829		
Tomatoes	Boxes	540,630	THE PARTY OF THE P	
	Rarrala			
Squashes	Barrels	15,743		
Egg Plant	Barrels	24.936		
Cucumbers	Crates	68,835		
Watermelons	Car Loads	2,190		
Cantaloupe	Barrels	25,027		
English Peas	Crates	41,899	26,000	
Beets	Crates	29,628		
Beans	Crates	360,597		
Oranges	Boxes	216,579		
Lemons	Boxes	1,800		
Limes		427	97	
Grape Fruit	Barrels	4,211	21,68	
Pineapples	Crates	117,910	160,66	
Bananas	Bunches	8,799	3,64	
Avocado Pears	Barrels	191	2,46	
Guavas		14,154	11,00	
Cocoanuts		42,850	2,07	
Pecans	Bushels	1,318	4,55	
Strawberries	Quarts	1,297,022		
Pears		58,194		
Peaches		81,716		
	Pounds			
Honey				
Grapes	Pounds			
Wine	Gallons		A CONTRACTOR OF THE PARTY OF TH	
Moss	Bales	8.230		
Lumber	Superficial Feet			
Lumber (Overland)	Superficial Feet	131,241,800		
Timber	Superficial Feet			
Hewn Timber	Cubic Feet			
Miscellaneous Timber	Cubic Feet	102,00	403,28	
Cypress Lumber	Superficial Feet	12,689,000	959 79	
Ash Lumber	Superficial Feet	12,008.000		
		120,000		
Rosin	Number	32,342,050 58,786	953,40	

157
TABLE No. 12. (Continued.)

ARTICLES.	PACKAGES.	QUANTITIES.	EXPORT VAL- UATIONS.
Turpentine	Gallons	572,290	175,902
Crossties	Number		
Phosphates			
Cigars			
Cattle (to Cuba)			
Cattle (Overland)			
		30,000	058
Chickens, Eggs (Cuba		270,926	
Sponges			
Tobacco			
Tobacco			1(0) (5)25(10) (4)20(0)
Tobacco (Overland)			
Hogs	Head		CONTRACTOR OF THE PARTY OF THE
Fish (Fresh)	Pounds		
Fish (Salt)	Pounds	TO COLOR MODELLA	
Hides	Number		
	Head		160
Grits		3,960	
Fertilizers	. Tons	. 2	050
Cotton Seed Meal		170,000	1,700
Clay			40,800
Fuller Earth		30,000	360,000
Total			\$36,706,911

TABLE No. 18.

▼ALUE OF ALL PRODUCTS INCLUDING THOSE EXPORTED DU	RING 1897.
Total value of farm products\$ Value of mine, forest and miscellaneous products	
Total	48,965,075

TABLE No. 14.

EXPORTS OF FLORIDA PRODUCTS, BY PORTS, FOR 1897.

Pensacola.

Articles.	Unit of Quan ty.	Quantities.	Export Valuation.
Sawn lumber, foreign	Super. feet.	141,565,000	\$ 1,810.86
Sawn timber, foreign		144,130,000	
Hewn timber, foreign		440,570	47,25
Miscellaneous timber, foreign			403,28
Sawn lumber, U. S		9,518,000	
Phosphate, U. S	Tons	3,146	
Cetton, foreign	Bales	7,520	225,60
	Total		\$ 3,821,44
Apalachicola.			7/11/2
	1		1
			The second second
Sawn lumber, foreign	Super. feet.		
Hewn timber, foreign	Cubic feet	261,937	40,94
Hewn timber, foreign Sawn timber, foreign	Cubic feet Super. feet.	261,937 11,904 000	40,94 114.94
Hewn timber, foreign Sawn timber, foreign Rosin, foreign	Cubic feet Super. feet. Barrels	261,937 11,904 000 36,201	40,94 114.94 74.20
Hewn timber, foreign Sawn timber, foreign Rosin, foreign Spirits turpentine, foreign	Cubic feet Super. feet. Barrels Gallons	261,937 11,904 000 36,201 26,546	40,94 114,94 74,29 7,60
Hewn timber, foreign Sawn timber, foreign Rosin, foreign Spirits turpentine, foreign Cattle (to Havana, Cuba)	Cubic feet Super. feet. Barrels Gallons Head	261,937 11,904 000 36,201 26,546 498	40,94 114.94 74.29 7.60 8,70
Hewn timber, foreign Sawn timber, foreign Rosin, foreign Spirits turpentine, foreign Cattle (to Havana, Cuba) Hogs (to Havana, Cuba)	Cubic feetSuper. feet. BarrelsGallonsHead	261,987 11,904 000 36,201 26,546 498	40,94 114.94 74.20 7.60 8,70
Hewn timber, foreign	Cubic feet Super. feet. Barrels Gallons Head Head	261,937 11,904 000 36,201 26,546 498 6	40,94 114.94 74.25 7.66 8,70
Hewn timber, foreign Sawn timber, foreign Rosin, foreign Spirits turpentine, foreign Cattle (to Havana, Cuba) Hogs (to Havana, Cuba) Chickens (to Havana, Cuba) Eggs (to Havana, Cuba)	Cubic feet. Super, feet. Barrels Gallons Head Head Head Dozens	261,937 11,904 000 36,201 26,546 498 6 6 105	40,94 114.94 74.20 7.60 8,70
Hewn timber, foreign Sawn timber, foreign Rosin, foreign Spirits turpentine, foreign Cattle (to Havana, Cuba) Hogs (to Havana, Cuba) Chickens (to Havana, Cuba) Eggs (to Havana, Cuba) Sawn lumber, U. S. ports	Cubic feet Super. feet. Barrels Gallons Head Head Dozens Super. feet.	261,937 11,904 000 36,201 26,546 498 6 6 105 174 10,898,000	40,94 114.94 74.25 7.66 8,70
Hewn timber, foreign Sawn timber, foreign Rosin, foreign Spirits turpentine, foreign Cattle (to Havana, Cuba) Hogs (to Havana, Cuba) Chickens (to Havana, Cuba) Eggs (to Havana, Cuba) Sawn lumber, U. S. ports Sawn timber, U. S. ports	Cubic feet. Super. feet. Barrels. Gallons Head Head Dozens. Super. feet. Super. feet.	261,987 11,904 000 36,201 26,546 498 6 105 174 10,898,000 511,000	40,94 114,94 74,25 7,66 8,70 108,98 5,1
Hewn timber, foreign	Cubic feet. Super. feet. Barrels. Gallons Head Head Dozens. Super. feet. Super. feet. Super. feet.	261,937 11,904 000 36,201 26,546 498 6 105 174 10,898,000 511,000	40,94 114.94 74.20 7.60 8,70 108,98 5,11 253,70
Hewn timber, foreign	Cubic feet. Super. feet. Barrels Gallons Head Head Dozens Super. feet. Super. feet. Super. feet. Super. feet.	261,937 11,904 000 36,201 26,546 498 6 105 174 10,898,000 511,000 12,689,000 120,000	40,94 114.94 74.93 7.66 8,70 108,98 5,11 253,77 2,44
Hewn timber, foreign	Cubic feet. Super. feet. Barrels. Gallons Head Head Dozens Super. feet. Super. feet. Super. feet. Number	261,937 11,904 000 36,201 26,546 498 6 105 174 10,898,000 511,000 12,689,000 120,000	40,94 114.94 74.26 7.66 8,70 108,96 5,11 253,77 2,44
Hewn timber, foreign	Cubic feet. Super. feet. Barrels. Gallons Head Head Dozens. Super. feet. Super. feet. Super. feet. Super. feet. Super. feet. Guper. feet. Guper. feet. Guper. feet. Guper. feet. Guper. feet.	261,937 11,904 000 36,201 26,546 498 6 105 174 10,898,000 511,000 12,689,000 120,000 515,000 17,588 45,750	40,94 114.94 74.26 7.66 8,77 108,98 5,11 253,74 2,44 1,00 35,11

Total..... \$

795.429

TABLE No. 14-Continued.

	-	The state of
Key	w	ANDT
IX.C.A.		cau.

Articles.	Unit of Quantity.	Quai	ntities.		xport. luation.
Lumber, U. S. ports Shingles, U. S. ports. Phosphate hard rock, foreign Hides, U. S. ports. Cigars, U. S. ports. Fish (fresh) U. S. ports. Fish (salt) U. S. ports. Cattle (to Cuba). Hogs (to Cuba)	Pounds Super. feet. Number Tons Number Number Pounds Pounds Head Head Number		270,936 20,500 45,000 42,975 7,040 ,000,000 135,428 238,189 7,659 396		277,197 270 127 427,962 7,040 2,050,005 3,877 7,730 129,133 2,901 100
	Total			\$	2,906,342
Punta Gorda,		L			
Phosphate, pebble, foreign Phosphate, pebble, U. S. p'ts.			51.140 50,147	*	511,400 501,470
	Total			*	1,012,870
Tampa.					
Phosphate, pebble, foreign. Phosphate, hard rock, foreign Phosphate, pebble, U. S. Tobacco, U. S. Cigars, U. S. Cattle (Havana) Lumber, foreign Shingles, U. S. Fish (fresh) U. S.	Tons	90	46,000 64,717 58.071 108 725 0.408,000 40,500 424,763 40,500 7,463,958		230.000 517.786 290.355 5.400 776.354 6,328,560 607,500 4,248 1.215 223,916
	Total			15	8.985,287
Fernandina.					
	Tone		169,980		1.699,800
Phosphate, hard rock, foreign Lumber, foreign. Lumber, U. S. Crossties, U. S.	Surer, feet Super, feet	. 50	0,884.967 0,470,838 515,486	3	504.708 154,646

TABLE No. 14-Continued.

Articles.	Unit of Quantity.	Quantities.	Export Valuation.
Jacksonville.			
Lumber, foreign. Crossties, foreign. Shingles, foreign. Grits, foreign. Cattle, Havana Phosphate, foreign. Fertilizer, foreign. Lumber, U. S. Shingles, U. S. Cotton, U. S. Cotton seed meal, U. S. Nayal stores, U. S. Clay, U. S. Vegetables, U. S. Cigars, U. S. Crosnies, U. S.	Number. Number. Barrels. Head. Tons. Tons. Super. feet. Number. Number. Bales. Pounds. Barrels. Sacks. Packages. Cases. Boxes.	7,509,000 474,000 750,000 3,960 265 406 2 107,817,607 30,991,550 426,767 1,565 170,000 69,000 53,900 3,255,000	142,20 22.50 11,88 3.97 4.06 5 1.078.17 929.74 128.03 46.95 1.70 150.00 1.200 55.00 162.75 15.80
Pineapples, U. S	1000	8,400	42,00
Brunswick	Total,		\$ 2,786,10
Phosphate rock, foreign. Savannah, foreign	Tons	46,129 78,047	\$ 461,12 780.47
	Total		\$ 1,241,59

TABLE No. 15.

EXPORTS OF FLORIDA PRODUCTS, BY PORTS, FOR 1898.

		a.

Articles.	Unit of Quantity.	Quantities.	Export Valuation.
Sawn lumber, foreign	Cubic feet Super. feet. Tons Super. feet. Gallons Barrels	151,768,000 462,063 124,608,000 50,704 8,972,000 408,761 61,441 5,246	\$\frac{1,587.770}{63,387}\text{ 870,206}{193.695}\text{ 89,720}{155,503}\text{ 117,081}{26,430}
	Total,		\$ 3,103,792

Apalachicola.

Sawn lumber, foreign	Super. feet.	15	419.000	8	175,081
Hewn timber, foreign	Cubic feet		189,377		22.936
Sawn timber, foreign	Super. feet	9	,465,000		91.675
	Barrels		64,341		93,502
Spirits turpentine, foreign	Gallons		77,567		25,457
	Number		5,260		59
	Head		280		5,505
Sawn lumber, U. S	Super. feet	8	.526.000		85,260
Sawn timber, U. S			425 000	2.4	4,250
	Super. feet	7	,555,000		151,100
	Super. feet		75,000	195	1 125
Rosin	Barrels		22.874		45,748
Turpentine			29,598	65	11,839
	Total			\$	713.532

Carrabelle.

Sawn lumber, foreign	Super. feet	16,492,000 \$	157,599
	Casks	2,480	37,230
Rosin, foreign	Barrels	107,130	190,000
Cattle (to Havana, Cuba)	Head	412	6.180
Turpentine, U. S	Gallons	840,000	250,000
Rosin, U. S	Barrels	27,818	66,763
Shingles, U. S	Number	2,100,000	4.200
Fish (fresh on ice) U. S	Barrels	632	2,528
Fish (salt packed) U. S,	Barrels	1.096	4,384
Oysters, U. S	Bushels	720	432
Oysters, U. S	Gallons	1,000	500
	Total		719.618

TABLE No. 15--Continued.

TABLE	o. 10 conti	aucu.		
Cedar Keys.				
Articles	Unit of Quantity.	Quantities.	v	Export aluation.
Cattle (to Havana, Cuba)	Head	450	*	6,750
	Total		*	6,750
Key West.				
Smanner IT S	Dounda	270,834		276,250
Sponge, U. S	Pounds			5,411
Tobacco, U. S Lumber, U. S	Pounds	6,816		2,949
Chinalas II Q	Super. feet Number	210,400 17,000		65
Shingles, U. S Phosphate, foreign	Tons	12,568		125.644
Hides, U. S	Number	8.000		8,000
Cigars, U. S.	Number	60,000,000		3.000.000
Fish (fresh) U. S		16,000		771
Fish (salted) U. S	Pounds	236,713		7.140
Cattle (to Cuba)	Head	11,391		174.509
Hogs (to Cuba)	Head	551		3,366
Horses and Mules (to Cuba)	Head		100	38,150
	Total		\$	3,635,999
Punta Gorda.				
Phosphate, pebble, foreign	Tone	26,653		266,530
Phosphate, peoble, U. S		40.662		406.620
	Total			873,150
Tampa.	10001		•	010,100
Hard rock phosphate, foreign	Tons	44,774	8	358,19
Pebble phosphate, foreign		45,770		228,850
Pebble Phosphate, U.S	Tons	79,372		396,866
Lumber, foreign	Super. feet	1.082,750		92,03
Shingles, U. S	Number	245,200		7.35
Cigars, U. S	Number	85,114,000		6,383,550
Fish (fresh)	Pounds	4,283,900		128.51
Tobacco	Bales	688		4,70
Tobacco (transported.)	Tons	424		837,85
Cattle (Havana)		10,060	1	150,90
Horse and mules (Havana)	Head	6,451	1	645,100
		Name of the last	_	

Total..... \$

9,233,916

TABLE No. 15 .- Continued.

Articles.	Unit of Quantity.	Quantities.		Export aluation.
Lumber, foreigh	Super feet	12,341,376	4	123,414
Phosphate, foreign		183,310		1.833,100
Lumber, U. S	Super feet	51,982,537		519,822
Crossine II S	Number	1,694,758		508 427
Crossties, U. S	Tons	1,635		16,350
	Total		\$	3,001,118
Jacksonville.				
, i	C	0 000 000		00 000
	Super. feet	8,683,000		86,830
	Number	570,000		. 17,100
	Cords	265		520
Grits, foreign	Barrels	1,536		4,60
Orange Boxes, foreign	Packages			9.42
Oats, foreign	Bushels	3 460		1,730
Corn, foreign	Bushels	1.877		939
Hay, foreig n	Tons	11		220
Cattle, foreign	Head	. 34		510
Building Brick, foreign	Number	168.000		16.80
Fertilizer, foreign	Tons	36		900
Lumber, U. S Shingles, U. S	Super. feet	103.929.056		1.039,29
Shingles, U. S	Number	32,389.650		971,689
Crossties, U. S	Number	327,265	1	98,17
Cotton, U. S	Bales	1.400	15	56.000
Naval stores (turpentine) U S	Gallons	79,000		23,70
Clay, U. S	Sacks	90,808		90,80
Package Vegetables, U. S	Packages	33,876		33 87
Fibre, U. S	Bales.	942		4,710
Orange boxes	Packages	29,250		29 250
Pineapples	Crates	1 000		5,00
	Total		*	2.392.080
Other Ports (Adjacent).				
Dhambar Lad	m	100 100		1 001 00
Phosphate, foreign	Tons	130,186		1,301,86
Phosphate, U. S (Overland).	Tons	46,587		465,97
	Total		\$	1,767,880
Overland Shipments.				
Lumber	Super, feet	98,769,000	*	987,69
A SHIP OF THE PARTY OF THE PART	Total		8	987.69

Agriculture.

All things considered, the development and progress in the several branches of industrial activity in our State for the past two years has fully kept pace with other sections of the country. In 1897 the average yield of all crops of all sections. of the State were considerable above the ordinary, and the prices received for farm and garden producs were for the greater part quite satisfactory; enabling those who still laboured under incumberances of past years, contracted for the most part under a false conception of farm economy and methods, to get rid of the galling and ever increasing burden of debt thus created; and although the year past has been in some localities a disastrous one to the cotton planters, therehas been no actual want as a result, for our State, whenever put to the crucial test, has always proven her ability to sustain her people admirably and alone. The seasons are soarranged that failure of all crops in all sections at the sametime is practically impossible; in truth, nature has so lavishly endowed her with all the requisite essentials to successful agricultural pursuits, that complete failure, as it is known in other sections of the United States, is literally unknown with Her soil is of such varied character that intelligent cultivation and management enables her farmers to produce an abundance and variety of crops unknown in any other portion of our country. It is these conditions that offer to the farmer, the stock raiser, the truck grower, the dairyman and the fruit grower profitable investment by a generous return for the labor bestowed on their development. As the amount of the per capita incumberance of a community would seem to indicate the financial condition of its people, it is interesting toknow that of all the States in the Union, the debt per capita in Florida is the lowest but three, and in the charges for interest the lowest but four, and of all the Southern States east. of the Mississippi river it is the lowest in both the average per capita incumberance and interest charges. Consequently the inference to be drawn is, that our people are in a fair financial condition. Certain it is that though they may not be blessed with a superabundance of ready cash, the great majority are well provided with the necessaries of life.

During the year 1897 the farms of the whole State werefavored with good crops and profitable returns. The orangeand lemon groves have put on new life with a vigor and rapidity that has convinced the most skeptical that citrus fruit growing in Florida is still a very live industry as well as a most profitable one, for prices are better than for fourteen years, ranging from two dollars to seven dollars per box, depending upon the variety; and for the present year, 1898, they are still holding the same figure. Other fruits and the vegetable crops have done quite as well proportionately, the area planted in vegetables having materially increased, as well as the area set to pineapples and strawberries, both of which increase in acreage each year. I make the suggestion that our farmers continue to adhere too closely to the old ways and methods.

The time has come when success is oftenest easiest and surest obtained by those who keep pace with new ideas and modern progressiveness. The people who succeed best in every pursuit in these times are they who, in conjunction with their regular routine business, make specialties of some particular branch of their pursuits. In no instance is success so marked in this respect as with those who follow the several branches of agriculture, with a proper diversification of standard crops. One man will make cattle or horse raising his specialty, another tobacco, another dairving, another fruit growing of some particular kind, another of cane products, of poultry, or of broom corn, all of which, and many more, can be grown as a specialty, and really as a surplus crop, practically without extra cost or labor. It is in such things that the farmer will find a profit that he can place to the credit of the proverbial "Rainy Day," and brighten the prospect of a future, that comes all too soon, even though it be in the nature of things. A half dozen poultry farms in every county in this State, regardless of proportions, could not supply the demand for such products through four months of the year; this is an industry of which few realize its magnitude, and fewer still its profitableness.

There should be acres of broom corn planted in every county, and there should be a local factory to consume the product. The machinery for such a purpose is inexpensive, and the profit of growing the corn and manufacturing it into commercial form is large. If of good quality it readily brings in market 71-2 cents per pound, and the most ordinary article sells at 6 cents per pound; it costs no more in labor or money to grow than sorghum. So with the products of sugar cane; the syrup when properly prepared and put up sells at good prices, and wherever it comes in contact with the usual article of commerce at once supplants it, and asserts itself with a superiority that is ever afterward maintained. The great advantage to be derived by the farmer from the establishment of sugar

refineries in various parts of the State, for the purpose of working this cane up into sugar, has been set forth in every report of this department since its establishment, and at last it seems about to become a reality to a limited degree. To one who studies the subject without prejudice, it appears well nigh impossible that such an enterprise should fail of being profitable to the promoters in the highest degree. The assertion by doubting ones, that Cuba and the Sandwich Islands are a bar to success in such an industry in Florida, can only come of a lack of information on the subject, a fact which good business people have already or will at once discover upon investigation. It may be considered a certainty, and a reference to the tabulated statistics elsewhere will prove it. that Florida can and does produce a higher quality of cane for less labor and money than any other portion of the United States, or even in Cuba, where for years to come, and even then it must be under American methods of cultivation and manipulation, we need have no fear of dangerous competition.

If Cuba should become an independent government we will have a tariff to our advantage, or if it become a part of this country, we will have a full, even chance, with many conditions in our favor. With the Sandwich Islands, long distance transportation equals a moderate tariff, which is in our favor again, and last, having control of much the greater portion of the sugar producing area of the world, both the supply and the price to the world will practically be dictated by this country, in which case Florida will share with equal benefit. There need be no fear of serious competition from the beet sugar growers. Another specialty should be tobacco, grown in a moderate way by farmers, so that they can hold it for a market, or till time has been given it to change to a better product through natural processes. It is a crop that should be persevered with and pushed, for in a little while the demand will increase till it becomes a standard article of commerce. Our experience with it has not been more varied than with other new industries; all have to go through a certain amount of opposition till the merits of the particular article finally establish it on a firm basis.

Then our much discussed and criticised tobacco, already rapidly growing in public favor, will become an actual necessity to the world's commerce. As for Cuban competition, this department believes with good reason that it has at present as great if not greater influence over the demand and consumption of Florida tobacco as it will perhaps ever have, baring spasmodic operations of speculators, a thing to be encountered in all commercial affairs. Undoubtedly the time

is not distant when the demand for Florida tobacco will even be more persistent than the demand for her fruits and vegetables, or Sea Island cotton, regardless of the political status of Cuba. A diversification of crops is the farmer's best safeguard against the possibility of want, and nothing comes in so well in times of distress as help from a source out of the

regular order.

Raising cattle for market is another industry that should receive more attention and encouragement. The supply of beef cattle, not only throughout this country but the world. has been steadily decreasing for the past decade, until the demand is exceeding the supply in the principal markets of this country. Every farmer who owns or rents a farm in this State should endeavor to raise a few head of cattle. The greater part of the food that they consume can and is usually supplied either without extra cost or labor; and there is no source from which it is easier to obtain a small sum of money when needed. It is not necessary to go into the business on a large scale to enable one to make money; it can be gradually and quickly built up. Yet, as an idea of what others think of the importance of this industry, there are several enterprising men in different sections of the State who are engaged, and others preparing to do so, in the raising of beef cattle for market, on a scale equal in every respect to the great cattle ranches of the West. People are interested with those who are putting immense sums of money into it, expecting to receive thousands in return. These people have spent months and years in investigating parts of this State as to its adaptability for successful stock raising, and all pronounce it superior to the best cattle districts of the West as an all the year round country for such purposes. Some of the most essential points in faver of Florida is said by these people to be, that the cold in winter kills fewer of them on the range; that they have to feed them only three months of the year, and that in Florida they can finish them up for market. Whereas, in the West after they have put on the growth, the stock must be driven north to Wyoming or the Dakotas to be put in a proper fattened condition for butchering. There are thousands of acres of land in this State in large tracts, adapted in the highest degree to cattle raising, where abundance of pure water is always to be had and stock will never suffer from thirst. In the more thickly populated States this industry can no longer be conducted on so large a scale. We have the grazing lands, the water and the climate distributed to a greater advantage than any other section or State, and our people should utilize them.

The same can be said with equal force of sheep and hog raising, but the farmer will have to choose between the cur dog and the sheep before he can embark in the business with

the prospect of success that yields abundant profit.

We should have a pure food law in this State that will protect consumers against the numerous frauds continually being perpetrated. It would seem equally as necessary or just to protect our people against the so-called dairy products brought into the State; also the baking powders, syrups, jellies, vinegar and even flour that is now said to be adulterated with clays. Our State should not be the dumping ground for such frauds, that destroy the health of the people and takes their money for nothing. As the farmer is protected against fraudulent fertilizer, so should all consumers be protected against the possible purchase of deleterious foods and condiments.

The wholesale destruction of our forests, with no thought or provision for the future, is soon going to be a serious matter. It is one deserving of early and thoughtful consideration, and some system should be devised by which the forest areas can be maintained for generations. A comparatively few years more of wastefulness and our lands will have become arid wastes, and our rivers will in turn be destructive floods or orid channels; our crops will be uncertain, and both stock and crops and human life liable to injury and complete loss. Commerce and trade will be interfered with, and the same conditions prevail that have rendered many sections of the Old World a wilderness of barren waste of inert earth and sand. Under the prevailing methods, every time a tree is cut the wealth of the State is just that much depleted, with no hope of recuperation. If every man who cut down a tree was compelled to plant another in place of it, then would our trade in fruit product be a source of inexhaustible wealth; and any law or system which compells such a course will be a benefaction to our State.

For the guidance of those persons engaged permanently in the fisheries industry, and for the information of those who indulge in sport, I suggest that it would be a very proper and desirable act for the Legislature to authorize the publication of all the Game, Fish and Trespass laws in such form that they could be freely distributed. There would be no excuse for the claim of breaking the law unintentionally, and because the law's requirements were unknown to the offending party. It is also a protection to those regularly engaged in the fishing business. The large amount of money invested in this industry rightfully demands consideration. An indication of the

importance of this business is disclosed by the following facts: At the beginning of 1898, there were over 5,200 persons engaged in the business. Their outfit consisted of more than 200 vessels, 2,325 boats and necessary apparatus for conducting their business, the value of which was upwards of \$770,000. The total number of pounds of their catch for the year to that date was a fraction over 32,000,000, at a valuation of \$990,000 is round numbers; of this amount, \$512,723 were shipped beyond the State.

A branch of this industry that requires immediate attention is the sponge fisheries. Unless something is done to protect them during certain stages of growth, the sponge fisheries of

the Gulf will soon be a thing of the past.

In my last report I referred to the necessity of a State Geological Bureau, and I feel it my duty to do so again, for if we have needed the services of such a Bureau in the past, we need it now more than ever. Nothing adds to the population and wealth of a State like the development of its mineral resources; through its talismanic influence material prosperity grows apace. Heretofore we have relied upon chance and the enterprise of individuals to bring to light the riches of the earth. But the time for old methods has passed. Every State which has evidences of mineral wealth has her Geological Bureau. It is best that investigation of this kind should be under the control and direction of the State, because it gives confidence to the capitalist. The belief is universal that Florida is rich in mineral resources; and if so, it is the duty of the State to place them in the way of development. Not to do this is false economy, and if for the lack of interest in it on our part capital gives us the go-by, and passes on to those communities which are progressive and enterprising, then we should not complain. The question is, shall we do without the millions of wealth that it brings to our people for the sake of the paltry sum it will require to secure it. A bill was introduced in the Legislature of 1897 for the establishment of a Geological Bureau, but the time of the session was so taken up with the Senatorial election that it failed to pass, though it had been favorably reported by the appropriate committee.

Another subject referred to in our report of 1897, was the advisability of encouraging the holding of "Farmer Institutes" wherever the people of the several counties shall appoint. The expense of carrying on or directing these meetings is not great, and would cost the State very little, and are productive of much good. Through them, those engaged in agricultural pursuits have an opportunity to acquire information that they could obtain under no other circumstances, for no other method of imparting information makes so much

impression upon the average man or woman as that gained through the medium of a lecture, or the open discussion of a subject, especially if that subject be one of importance and interest to the community. This subject deserves favorable consideration at the hands of the Legislature, and I earnestly recommend it.

The business of this department is growing to such proportions that the appropriations for postage, seeds and stationery, and also the appropriation for printing, has become too small to enable the Commissioners to carry on the business as it should be. Were the printing fund increased to \$1,000, the department could publish small pamphlets of information on subjects for which ordinary letters will not answer, because either too lengthy for full explanation, or required in too large numbers to admit of furnishing the information in such a manner. The correspondence and demand for printed matter have grown so large that the usual appropriation is not sufficient to pay the postage expenses of the department; so I therefore recommend to the Legislature that both of the appropriations for the purposes above mentioned be increased to \$1,000 each.

It has been generally supposed that the conflict with Spain during the past year would have the effect of reducing the volume of our exports, but a glance at the tables covering this head will disclose the fact that there is quite a large increase over the business of 1897. In the tables referred to much information of value and interest will be found by those interested in commercial affairs. No other character of business so truly reflects the financial condition of a people as their trade with the outside world. Measured by that rule, Florida has cause to congratulate herself on the showing she has made for the past two years.

The Meteorological report of the State, as compiled by Prof. A. J. Mitchell, Director of the U. S. Weather Service at Jacksonville, for the past two years, are again published as a portion of this report. The information embraced therein is so much sought after by both residents and non-residents of the State, that inquiries upon the subject can be answered readily in no other way so well as by their publication in this

form.

In closing this report of the work of the department, it affords me genuine pleasure to tender my grateful appreciation and sincere thanks to all those who have contributed to the successful operation of the department; and especially to the Tax Assessors of the several counties, our corps of crop correspondents, who have so faithfully given of their time and labor, and to the Collectors of U. S. Customs of the several ports.

Meteorological Report

OF THE

STATE OF FLORIDA

For the Years 1897 and 1898.

U. S. DEPARTMENT OF AGRICULTURE.

Climate and Crop Service of the Weather Bureau. Florida Section, A. J. Mitchell, Observer and Section Director, Jacksonville, Fla.

ANNUAL SUMMARY FOR THE YEAR 1897.

ATMOSPHERIC PRESSURE IN INCHES AND HUNDREDTHS.

The average atmospheric pressure for the year was 30.09 inches. The highest monthly mean for the State was 30.21 inches in January and December; the lowest, 29.98 inches in June, July and October. The highest barometer reading during the year was 30.67 inches at Pensacola on February 27th; lowest, 29.64 inches, February 5th, giving a range of 1.03 inches.

AIR TEMPERATURE.

The annual mean temperature for the State for 1897 was 71.2 degrees, which is slightly above the normal. The highest annual mean, 78 degrees, occurred at Key West. The lowest yearly mean, 67 degrees, is reported from DeFuniak Springs. The highest monthly mean was 85 degrees at Lake City in June, Mullet Key in July, and Orange City in August. The lowest monthly mean was 48 at Amelia, DeFuniak Springs and Milton. The highest and absolute temperature, 104 degrees, occurred at McClenny on August 2nd; lowest, 17 degrees, at DeFuniak Springs and Pensacola on January 27th and 28th, respectively; range for the State, 87 degrees.

The coldest month was January, averaging 56 degrees; the warmest was July, mean temperature being 82 degrees. The annual thermal data by sections were: Northern, 70.1 degrees; Central, 72.1; Southern, 74.9, and Western, 67.9 de-

grees.

PRECIPITATION.

The precipitation averaged over the State, for the year, 56.69 inches, which is four (4) inches above the normal. The excess is due, in a great measure, to the phenomenal rainfall during September, which was incidental to the northward movement of several cyclonic disturbances. Considering the various months the following facts are developed: Rainfall was above the normal in February, April, July, August, September and December. The greatest average monthly amount was 10.71 inches in September; the least average monthly total was 1.84 inches in November. The greatest monthly total was 23.01 inches at Sebastian in September; the least, 0.00, at Oxford in March. The greatest yearly total was 87.07 at Jupiter; the least, 40.30 inches, at Mullet Key. The annual rainfall by sections was: Northern, 57.78 inches; Central, 51.84; Southern, 63.59, and Western, 53.56 inches.

WIND AND WEATHER.

Prevailing wind direction during 1897 was from the northeast. The maximum wind velocity recorded at Weather Bureau stations was 51 miles from the southeast at Jupiter, on February 5th. The total annual movement of wind at Jacksonville was 67,415; Jupiter, 87,435; Key West, 85,349; Pensacola, 84,165, and Tampa, 57,848 miles. It is seen that the average hourly velocity is greatest at Jupiter and least at Tampa.

MISCELLANEOUS.

Thunderstorms were numerous during the spring and summer. Reports of fog were less than usual.

No severe hail storms occurred.

Killing frosts occurred during January and February at Archer, Bartow, Brooksville, Clermont, DeFuniak Springs, Earnestville, Emerson, Eustis, Grasmere, Haywood, Huntington, Jacksonville, Kissimmee, Lake City, Manatee, McClenny, Merritt's Island, Milton, Mullet Key, New Smyrna, Oak Hill, Ocala, Orange Park, Orlando, Plant City, St. Francis, Switzerland, Tallahassee, Tarpon Springs and Tampa. The first killing frost of autumn was reported during December at Archer, Brooksville, DeFuniak Springs, Haywood, Lake City, Oak Hill, Ocala, Orlando, and Plant City.

CLIMATOLOGY OF THE YEAR 1897.

The climatic history of 1897 presents no radical departures from average conditions. On the contrary, the year was almost devoid of severe cold waves and cyclones, such as, in the past, have severely damaged the varied interests of the State. The coldest weather was experienced during the last decade of January, when minimum temperatures of 17 degrees were recorded over western counties. Fortunately overcast skies prevailed during the cold wave which, in conjunction with timely warnings, proved of a great value to vegetable

and fruit interests. The progress of the season was uneventful during the spring months, eliminating the fact that March gave an excess of heat with deficient rainfall, while thermal conditions were about normal during April, with rainfall exceeding the general average by nearly two inches. May was rather cool, with precipitation deficient. The heaviest rainfall

during month occurred in Dade county.

June, July and August gave the usual summer temperature, an excess of heat being noted in June, with slight departures for the two last named months. The maximum heat-104 degress-occurred in August. The distribution of moisture for the same period lacked uniformity. Compared with 1896, June shows a deficiency of more than five inches, while conditions for July and August varied, excesses and deficiencies being indicated over detached sections. September temperatures averaged but slightly below the normal, with a decided The maximum excess in rainfall, amounting to three inches. monthly amount was 23.01 inches at Sebastian. The formation of frost over western interior counties on the 21st, was an unprecedented occurrence. Considering authentic data only, no previous similar record was ever made. October, November and December were pleasant, and generally favorable for harvesting, the only noteworthy feature being that November was several degrees cooler than the established average.

STORMS OF THE YEAR.

No severe winter storms prevailed, and the only disturbances worthy of mention obtained during September, when two well defined tropical cyclones threatened the State. Only one was felt to any serious extent.

The first one appeared in the Central Gulf on the 11th, and possessed distinctive features of an energetic cyclone disturbance. Following the course of least resistence, however, it moved to the northwest and, striking the coast of Texas, killed a number of people and caused great loss of property.

The second storm of September gave evidence of its existence on the 20th by slowly falling pressure at stations of the East Gulf. During the night of the 20th the storm moved rapidly east-northeast, doing great damage to citrus fruits, tobacco and vegetable interests in Polk, Orange, Osceola, Brevard, and Dade counties. The center passed to the south and east of this station about 5:30 a.m. of the 21st. Cocoa, Brevard county, suffered more than any section traversed, the loss sustained to property at that point being \$10,000, and consisted in demolished dwellings, stores and other structures.

Several miraculous escapes from death were reported. Excessive rains and fierce electric displays were attendant characteristics.

ANNUAL AVERAGE TEMPERATURE AND PRECIPITATION

During the past six years, deduced from Weather Bureau and voluntary meteorological stations:

Year.	Average Temperature: degrees and tenths.	
1892	70.4	48.0
1893	71.0	53.0
	71.2	
	69.9	
	71.0	
	71.2	

From these data we see that 1895, the year of the cold wave in February, which caused so much injury to the fruit interest of the State, was the coolest and dryest.

CLIMATOLOGICAL DATA FOR THE YEAR 1897.

		Т	emper	ature	(deg	rees Fab	renl	heit).		Precip	itatio	n (Inc	hes)				Sky		Jo u
STATIONS.	Elevation, feet.	Length of record,	Annual mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Number rainy days	Number clear days.	Number partly cloudy days.	Number cloudy days.	Prevailing direction wind.
NORTHERN SECTION Amelia Archer Emerson Federal Point Huntington Jacksonville Jasper Lake Butler Lake City Macclenny Orange Park Savannah St. Aug stine Switzerland Entire Section	10 92 10 50 43 165	5 1 27 1 9 1 3 26	70.5 69.4e 79.5 71.5 70.2 69.2b 71.7 70.2 70.0 67.5	+1.4	97 100 99 99 101 104 99 102	June June 2 June June June Aug. June 3 June 3 Julydo	2 22 + 24 29 26 + 21 1 20 2 21 30 22 1 17 . 22	Jan. 28 Jan. 4 Jan. 29 Jan. 4 .dododododododododododo	5 1 27 1 9 1 3	50.03 39.92e 64.47 57.15 60.70 47.41a 54.08 65.91 39.31a 54.08 55.10 42.25e	8.49 17.30 12.29 16.23 8.77 12.79 12.11 12.70 8.10 12.97	Sept. Sept. Sept. Sept. Feb. Aug. Sept. July Sept. Sept. Sept. July Sept. Sept	.53 .93 1.31 .52 .82 1.15 .66 1.20 .66 .71 1.24	May May Mar. Mar. May Nov. May Moy Nov. Mar. June Mar.	107 132 55 91 83 98	112 84 158 132 146 75 112 170 161	192 143 140 126 188 204 111 71	89 64 93 102 49 84 133	ne ne sw nv se
CENTRAL SECTION. Bartow Brooksville	328	1 5	72.7		00	Aug. 1	9 28	Jan. 10 Jan. 28	1 5	58.59 55.27				Mar. May					s W

						10	100	3	-	47.21	0 4	8 Sept	1 45	Mar.	85	122	191	52	ne	
Clermont	5			101	do.	3	20 .	.do	5.			3 July		Mar.	10000000	155	124	86	sw	
Earnestville 193	2			99	.Jnne	1 3	. 05	.do	6	55.52	19.0	2 Sept.					119	119	ne	
Eustis 180	6		+1.4		Aug.	19 2	(G)	.do				6 Sept.	50	Mar.	95	180	133	52	ne	
Ft. Meade			+0.0					lan. †	3			9 Sept.		Mar.		186	47	73	ne	ě
Gainesville	5		+5.6					Dec. 7	5	39.23b	10.0	e Gept.				268	62	35	ne	
Grasmere	6	71.6		99	June			an. 23	6			6 Sept.		Ton.	60	175	162	28	w	
Kissimmee 65	6		-1.2		July			an. 28	6			O Sept.		Jan.	86	245	61	59	se	
Merritt's Island 20	12	73.7	+1.1	95	July			.do	12			7 Sept.		May	101	104	209	52	sw	
Minneota Park	2	73.7		99	June			an. 29	2	*0.00		1 Sept		Mar.	71	121	118	46	ne	
Mullett Key 15	5	73.3		94	July			an. 28	5	40.30		9 Sept.		May	82	135	147	69	ne	
New Smyrna 20	6	70.7	0 2	99	June	14 2	26 .	do +	6	56.40	17.0	3 Sept.	.32	Mar.	82	120	202	69	ne	
Oak Hill 25	3	73.7							3					NT		128	166	71	sw	
Ocala	7	70.7	+0.6						7	49.70		3 Sept.		Nov.	88	212	87	66	se	
Orange City 50	5	72.6	+2.8	100	June	23 2	25 .	.do	5			3 Sept.		Mar.	100 00000	191	107	67	w&e	
Orlando 98	. 5	699	-0.9	99	July	2 2	25 J	lan. 27	5	THE RESERVE		7 Sept.			112	83	227	55	S	
Oxford	4	71.5							4	A		0 Sept.		Mar.	95	170	115	80		
Plant City	4	72.1		98	June			lan. †	4	54.49		8 Sept.	200,000,000,00	Jan.	95	203	10000000	15	ne.	
St. Francis 20		70.3		99	July	1 2	28 J	lan. 28	1			7 Sept.		Mar.	90	200	147			
Sebastian 36										57.21d			CONTRACTOR OF THE PARTY OF THE	Dec.	100	151	100	51	ne	
Tampa 20	8	72.2	-0.5	94	Aug.			an. 29		175. THE		3 Sept.		May	120	151	163	84	w	
Tarpon Springs 20	12	71.3	+0.4					.do	12			5 July		May	98		111	65	ne	
Entire Section		72.1		102	June	+12	22 J	an. 28		51.84	23.0	1 Sept.		Mar.	91	162	138	00	ne	
SOUTHERN SECTION.			- 000	42		1		2 .	- 3				-		100	110	100	24	se	
		76.5b		91		+4	19 I	Dec. 29		61.45b	15.9	7 Sept.	.13	Mar.	103	119	155	24	Se	
Estero															:::	87	101	117		
Jupiter 28	10	74.0	+2 0	93	Aug.	128	34 J	an. 29	10	87.07				The second second	134		161	68	s se	
Key West 22			-1.0					.do	26	46.46		1 Sept.		Mar.	117	137	160		se	
Lemon City 15		74.3b		93	June	+18	38 .	.do	2	62.45a			.75	Mar.		119	141	105	8	
Manatee		67.8c				5	26 .	,do,	4			4 July		Oct.	70	145	121	40		
Myers	13	78.5	-0.9	93	June	18	33 .	do	13			2 July	.78	Nov.	85	272	63	30	e	
Entire Section		74.9		93		+ 2	26 J	an. 29		63.57	10.3	5 Sept.	.13	Mar.	103	146	134	85	8	f
WESTERN SECTION.		1100-2000		1000		-						-	-		00	101	or	00		
Carrabelle, 12	1	73.4e		96		+ 2	36 I	Dec, 6	1	34,80e	10,6	0 Sept	T	Nov.	26	181	25	199	ne &w	
Authananiell	100		The state of the	100		100	-			HOAT TO SEE		7	3× 1							

CLIMATOLOGICAL DATA FOR THE YEAR 1897 .- Continued.

		Т	empera	ature	(deg	rees Fahr	ent	neit).		Precip	itatio	n (In	ches)		1.		Sky.		jo i
Stations.	Elevation, feet.	Length of record, vears.	Annual mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Number rainy days	N u m ber clear days.	N u m b e r partly cloudy days.	Number cloudy days.	Prevailing direction wind.
	100 35 219 56	1 27 25 18	68.9a 67.7 66.5	+0.7 +1.1 +3.1 +0.9	96 101 102 98	June 21	33 48 14 17 19	Dec. 28 Jan. 28 do	1 27 25 18 	40.69 14.37g 33.75g 59.33 16.04g	9,32 13,23 11,56 12,02 10,26 4,35 12,40 10,45	Aug Feb. Aug Mar. Feb. Sept. Feb. Feb. Aug.	.71 1.13 2.12 .55 .74 1.11 2.98 .43 .25	Oct. May Oct. Feb. Aug.	121 105 116	81 64 153 174 131 	151 87 107 150	71 129 127 84 94	e s se

All records are used in determining state or district means, but state and district departures are determined by comparison of current data of only such stations as have normals.

Letters denote the number of months data are missing.

All records are used in determining state or district means, but state and district departures are determined by the district depar

MONTHLY AND ANNUAL MEAN TEMPERATURE FOR THE

		lan.	1	Feb.	1	Mar.	A	pr.	Ma	y.	Ju	ne.
Stations.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.
NORTH'N SECTION												L. F
Amelia Archer Emmerson Federal Point Huntington JACKSONVILLE Jasper	52 7 50 4 53 0 54.4	-2.5 	61.5 59.8 62.0 63.0		70.8 68 8 68.4 71.4	p19.2	70 2 68 8 67 4 70.6		74 4 71 4 74.7 73 2	-1.2	81 4 80 9 83 2	pl3.0
Lake Butler Lake City McClenny Orange Park Savannah St. Augustine	52 4 50 8 52.3 48 2 52 0	-3 6 3 4 -4 4	60.8 59.9 63.6 56.6 59.8	pl0.8 -0.9	71 5 69 2 69 0 62.8	pl9.1	71 9 68 4 69 8 66.2	pl3.0 pl0.1 —1.7	73 9 72.6 72 8 72.1	pl2.2 -0.8 -0.7	84 0 82 7 81.8 81 0	pl4.5 pl2.5 pl3.0
Switzerland(1) CENTR'L SECTION				****				••••			c81.5	
Bartow Brooksville Clermont Earnestville Eustis Fort Meade Gainesville Grassmere Kissimmee Merritts Island Mineota Park Mullet Key New Smyrna Oak Hill Ocala Orlando Orlando Oxford (1) Plant City St. Francis Sebastian Tampa Tarpon Springs	55 5 56 7 56 6 55 6 6 56 4 55 8 59 2 57 4 54 9 58 8 53 7 55 8 53 7 55 8 53 7 55 8 55 7 56 8 57 5 57 6	-2 07 0 -3 36.74.3 -1.9 -4.91.0	63.6 65.8 65.8 64.9 63.9 64.5 69.0 66.2 67.2 64.0 63.0 64.8 62.6 63.3 63.6 64.8 64.8 64.8	pl0.5 -0 1 pl6.6 pl0 0 pl0.6 -0.5 pl0 1 -0 0	71.8 70.3 69.0 71.9 74.8 73.4 74.2 71.8 70.0 70.9 69.8 72.0 70.9 71.3 70.0 69.8 71.9	pl8.5 5 pl8.0 pl7 9 pl7.0 pl4.0 pl6.5 pl6.8 pl3 5	72 0 71.3 70 7 69 0 69 2 71.2 75 3 72.4 72.5 71.7 70.5 72.0 69.8 71.7 70.5 71.4 68 3 70.3	-0.6 pl0 1 pl2 3 pl0.2 pl0.2 pl0.5 pl0.8 -3 1	73 1 75.4 75.2 72.6 75.8 75.4 76.2 76.1 74.5 75.6 72.8 75.4 75.6 72.8 75.4 75.0 71.1 k76.0	-0.9 pl0 5 pl5 0 pl0.0 3.3 pl1.1 pl1 3 -2 7	82 0 81.2 83 6 82 8 82 6 79.6 84 9 83 6 81.9 82 4 84 3 79 0 82 1 81 2 84 8 79.6 81.6 80 0 83 2 81.6 80 0 83 2 81.6	pl3.6 pl1 1 pl7 1 pl3.2 pl3.2 pl3.2 pl1.0 pl1.0 pl1.0 pl1.0 pl1.0 pl1.0
SOUTH'N SECTION		-										
Boca Raton Estero(1)					73.7		73.3	::::	75.8		80.6	

YEAR 1897, WITH DEPARTURES FROM THE NORMAL.

July.	At	ıg.	Sep	pt.	0	ct.	N	ov.	De	ec.	Ann	ual.
Temperature Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.
82.1 81 7 pl6. 82 1 83 0 80 3 pl4 82.8 83 2 pl3 82 8 81 9 82 8 0 pl0 81 4 pl0. 81 8	80 J 82 3 2 82 2 4 82 5 . 83 0 . 81 5 1 81 0 9 80 2	pl1 1 pl2.3 pl0 8	75.0 76.2 76.3 76.2 76.7 76.1 75.6 74.2 75.3	-1.4 -1.2 -1.7 -1.9	71 2 72 7 71 7 71 7 73 8 72 5 72.1 70 4 69 2 71 4	pl2.0 pl3.4 pl2.8	65 0 66 6 65 3 66 2 64 2 63 7 61 2 66 2	pl4 0	58 6 a60 1 58 5 55 4 59 6 57.4 57 0 53 7 58.7	pl0 6	69 4 69 5 71 5 70.2 71 7 70 2 70 0 67 5 69 4	pl1.4 pl1.6 pl3.2 pl0.8 pl0.8
82.9 81 6 83 1 82.9 pl0 79 6 pl0 83 4 pl4 83 6 pl0 82.7 pl1 81 2 85 0 6 -0 83.1 80 5 -0 83 0 pl1 79 9 -2 85 4 81 4 82 4 81 4 81 6 pl0 81 8 pl0	. 81.2 . 83 0 . 82 2 7 82 5 0	pl1 5 pl4 5 pl1 3 pl1 8 pl1 8 pl1 1 pl0 0 pl4 1 pl1 0	76 9 78 6 77 6 2 77 2 77 78 7 78 7 78 7 78 8 4 78 76 6 79 77 78 8 4 77 75 8 77 75 75 8	-0 3 3 -1 3 -0 5 -1 5 -1 0 pl2 3 pl2 3 -3 6	71.8 74.8 73.1 73.3 72.7 70.8 71.4 75.6 74.8 75.9 72.8 72.8 72.8 72.8 72.8 72.8 72.8 72.8	pi2 8 pl0 7 pl2 3 pl0 9 —0 6 pl0.3 pl0.5 —2 1	67 0 69 6 68 0 67 3 68 2 64 3 67 4 70 5 70 0 67 4 72 7 67 2 67 2 64 8 65 9 68 6 66 2 70 5	pl3 4 pl2 2 pl3 3 pl0.9 pl3 5 pl1 6 pl3 8 pl5 4 pl1 5	60 2 k65 8 61 4 61 57 2 66 66 65 7 2 65 7 63 2 65 7 63 2 66 0 60 5 61 1 58 60 3 62 6 60 5 62 5 62 5	pl1 0 pl5 9 -0 4 pl0 5 pl1 7 -0 7 -0 7 -0 7 -0 3 1 -0 6 -3 1	71 4 73 6 72 0 70 6 73 2 71 6 72 4 73 7 73 7 73 7 70 7 72 6 69 9 71 5 72 1 70 3 76 9 72 2	pl1.4 pl0 0 pl5 6 -1 2 pl1 10 2
81.2 T4A	81.6		78 8 77 2	::::	75 2 73 6		73.8 70 2		70.6 64 6		76.5	

MONTHLY AND ANNUAL MEAN TEMPERATURE FOR THE

	Ja	in.	F	eb.	Ma	rch.	Ap	oril.	M	ay.	Ju	ne.
STATIONS.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.
Jupiter Key West Lemon City Manatee Myers west'n section.	68 6 60 0 56 6	-2.7 -5.0	72 7 70 2 64 0	-0 9 -0 2	76 5 74 2 70 3	pl5.0	75 5 f 74.2 69 9	-0 1 -1 7	77 8	-1 9	82.2 81 8	-0 3
*Carrabelle *DeFuniak Sp'gs *Haywood Milton(1) *Mobile *Montgomery *Pensacola *Perry *Quincy *Tallahassee *Waysau	48.2 48.4 48.2 44.8 49.6	-2 9 - 3 3 -2 9	57 2 57 0 55 3 4 0 56 8	-0 2 pl0 4 pl0.0	65.8 65 7 67 4 66 2 63 0 66 3	pl0 0 pl5 5 pl6 8	64.9 66 7 65 0 65 6 64 0 66 4	-2.0 -1 9 -1 3	70 6 71 2 71 1 71 7	pi2.8 -2 2 pl0 1 -1.6	82 1 80 8 82 6 80 9	pl1 1 pl3 1 pl1 5

⁽¹⁾ Thermometer not self-regis ering.

YEAR 1897, WITH DEPARTURES FROM THE NORMAL.—Continued.

Ju	ly.	Au	ıg.	Sej	pt.	00	ct.	No	ov.	De	c.	Ann	ual.
Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.
82 6	-0 3 -1 1 -1 9	83 8 183.8		80 6 79 7 78 8	-1 7 -1 7 -1 5 -3 2	78 5 74 3 172.0	-1 0 pl0 0 -1 9 -1.9	75 6 74 4 68 4	11 5	69 0 72 4 70 4 62 4 65 1		77 2 74 3 67 8	pl2.0 1 0
83 0		80.1	pl0 0 pl0 3 0 2	77 0	pl1 1 pl1 4 pl0 3	69 6 72 3 70 0	pl3 3 pl4 5 pl3 1	57 5	pl2 3 pl2 4 pl3 3	52 0 55 7	pl1.7 pl1 4 pl1 7	67 2 70 1 68 9 67 7 66 5 68 6	pl0 7 pl1.1
	pl1 7		pi0 9	75 6 77 0	-04		pi3 0		pl3 2		-0 4	67 9	pl0 9

Letters indicate days missing during month.

pl means plus.

MONTHLY MAXIMUM TEMPERATURE FOR THE YEAR 1897, WITH DATES.

	Ja	n.	Fe	b	Mai	ch.	Ap	r 1.	Ma	ıy.	Jur	ie.	Ju	ly.	Au	ıg.	Ser	ot.	Oc	t.	No	ov.	De	c.
STATIONS.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
NORTHERN SECTION. Amelia. Archer Emerson Federal Point. Huntington. Jacksonville Lake City. Lake Butler Macclenny Orange Park Savannah St. Augustine.	71 78 78 76 76 76 76 76 76 78 71 75	+ + + 3 3 4 3 + + 24 4 4 4	82 90 84 86 86 84 83 83 85 84 81 85	22 21 + 22 + 22 23 23 + 23 24	86 94 92 89 89 88 90 88 89 93 86 86	22 15 22 22 22 + 20 15 + * 22 20 +	81 92 90 87 91 88 93 90 92 89 85 82	† 27 8 28 28 28 27 28 † 6 6	86 94 99 91 95 93 99 90 98 92 94 87	14 + 22 29 + 29 22 + 22 + 29 14	96 98 99 97 100 99 101 99 102 99 106	15 25 4 29 28 1 1 4 30 15 14	99 98 96 99 96 98 102 97 102	+	94 97 96 98 99 100 104 97 98 95	2 2 2 2		18 + 2 18 3 + + 6 17 19	90 88 89 89 95 91	7 + 12 12 12 12 8 + 8 + 7	80 82 83 83 83 81 86 86 81 80 84	+	85 79 81 80 82 82 81 78 77	1
CENTRAL SECTION. Bartow	80 77 84 79 79 78	3 + 2 + 3 + 	84 88 88	23 23 23 + 22 23 	90 89 92 92 92 90 90 88	† † 15 22 15 17 16 †	89 89 94 94 89 88 90 90	27 8 25 28 27 27 27 29 28	93 93 96 96 95 92 96 97	+ 22 28 23 23 + 23 24 29	97 96 101 99 96 94 102 99	24 29 29 + + 25 18	97 94 99 97 95 93 101 99	28 + 28 + 31 3 2	94 98 96 98 94 99	19 19 19 3	91 97 94	3 + 3 2 + 3 + 6	86 93 89 91	12 14 12 12 12 12 12 14 13	81 87	† 1 1 1 1 1 1 12 1	85 81 85 82 84 86 81 80	4

Orange City	86 77 81 72 76 77 76 81 79	4 21 † 3 † 18 † 4	92 86 89 78 87 86 86 88 87 82	19 23 † 24 23 + 23 + 23 † 23	94 88 92 81 90 90 88 92 90	22 14 † 22 15 15 22 14	94 86 91 82 84 91 84 91 90	8 27 27 6 † 8 27 27 8	94 92 96 88 90 95 91 95 94	22 22 23 4 + 25 25 23 22 	94 99 93 99 100 95 98 98 97 94	19 † 14 14 23 24 29 18 26 19	98 95 98 94 93 99 94 95 97 95 94	4 2 4 3 † 18 2 † 1 †	97 94 95 93 94 98 93 95 98 96 94		94 91 95 89 88 95 90 96 94 91 90	17 2 19 19 18 18 18 18	93 86 90 84 86 90 90 89 88 90 88	12 13 11 † 12 † 12 † 12 12 12 12	96 85 87	11 1 1 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	85 80 86 78 82 84 84 79 86 84 85 82	22 22 † 4 4 4 3 3 4 12 3
Tarpon Springs	79	20	86	32	91	+	88	t	86	+	, 91	+	96	18	97	+	96	+	89	t	85	1	82	4
Boca Raton. Jupiter. Key West. Lemon City. Manatee. Myers. Western section.	80 79 80 80 78	21 21 1 1	86 82 88 85 84	25 23 26 23 †	84 88 84 90 90 87	24 23 20 24 + 15	85 83 84 89 90 90	8 16 9 16 † 28	87 86 90 94 92	23 31 14 22 + 26	91 93 90 93 	21 15 †	91 91 91 91 98 92	† 2 4 1 27 4	91 93 91 92 95 92	† 12 15 † 20 18	88 87 88 90 91 90	3 19 + 1 + 18	88 84 86 87 87 87	14 12 10 13 †		+ 1 + 1 + +	85 83 83 91 84 82	1 21 3 9 3 †
Carrabelle. DeFuniak Springs. Haywood. Mobile. Montgomery Pensacola. Perry. Quincy Tallahassee. Wausau	75 96 74 78 	2 17 3 17 	76 80 74 81 78	19 22 22 22 20 22 †	82 85 79 84 77 83 83	† 13 20 20 13 15 15	88 90 82 88 85 86 84	27 27 27 27 20 27 28	92 87 91 86 91 92	22 † 22 22 † 28	96 102 98 100 98	25 19 19 23 21	96 96 96 96 96 94 		95 99 96 101 102 97 93 91	4 3 4 3 3 3 28	93 95 94 95 96 94 92 91 98	3 3 3 2 16 3 18 3	86 90 88 90 92 90 91	14 13 10 8 6 3 13 		9 6 † 16 7 11 †	74 75 79 74 74 76 81 75 78	4 18 5 3 20 3 10 4

[†] More than one date.

MONTHLY MINIMUM TEMPERATURE FOR THE YEAR 1897, WITH DATES.

	Ja	n.	Fe	b.	Mar	rch.	Ap	ril.	Ma	v.	Ju	ne.	Ju	ly.	At	ıg.	Sej	pt.	Oc	et.	No	ov.	De	c.
STATIONS.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.
Amelia. Archer. Emerson. Federal Point. Huntington Jacksonville Lake City. Lake Butler.	23 22 18 24 26 21 20 21	28 † 29 † 28 28 28 28	35 33 28 36 36 36 34 33	28 28 28 4 4 28 28 3	46 44 40 45 48 48 45 48	27 27 25 27 27 27 1 25 +	47 40 36 45 46 44 42 52	11 10 11 12 11 11 11 11 27	55 50 47 51 57 53 53 54	† † 3 3 † 2 2 6	69 64 58 66 65 68 71 58	† -4 4 4 † 1 20 † 3	64 62 68 63 68 68 66 67	14 15 15 15 15 15 14 2	71 66 66 69 68 72	28 27 28 27 20 +	49 48 51 52 49 50 47	22 † 22 22 21 23 22	54 54 53 48	30	38 47 51 46 44	14 13 13 4 13 13	35 38 36 34 32	8 30 28 28 28
Macclenny Orange Park Savannah St. Augustine CENTRAL SECTION.	21 22 17 22	28 28	33 36 32 37	28 10 28 28	42 47 40 39	1 28 1	42 40 45 45	10 12 11 10	51 51 51 50	1 1 2 5	61 67 61 69	7 † 8 7	64 65 67 68	14 14 14	68 68 68	31 27 + 27	49 47 46 51	22 23 † 22	44 50 52 50	29 † 30 5	-20	12 13 24 12	32 36	
Bartow. Brooksville	28 24 26 25 25 26 	10 28 28 28 28 † †	37 37 39 36 36 36 33	4 † 3 28 28 27	41 46 48 41 43 36 45 47	27 27 27 1 1 26 1 47	47 45 48 43 40 44 42 47	12 † 11 11 24 11 11 †	51 59 56 52 56 47 52 52	3 5 2 3 + 2 2 3	65 61 68 66 67 65 69 67	9 1 † † 10 8 †	70 70 70	† † † † 17 16 15 †	68 70 70 70 70 66 70	28 † 24 27 27 27 27	53 50 52 50 52 53 48 50	22 22 21 22 22 21 22 21 22 22	54 55 54	† 24 25	45 48 52 47 46 44 46 48	13 13 3	38 43 38 38 35	+ 6 + 6

SOUTHERN SECTION. Boca Raton. Jupiter. 34 29 46 3 49 27 59 11 57 3 71 + 69 14 71 4 64 23 59 + 57 3 49 29 8 70 1 57 1 51 28 8 66 17 70 8 70 8 70 8 70 7 71 23 69 8 70 19 67 1 51 28 8 66 17 70 8 70 8 70 8 70 8 70 7 71 23 69 8 70 19 67 1 51 28 8 65 10 70 8 70 8 70 8 70 8 70 8 70 7 71 23 69 8 70 19 67 1 51 28 8 65 29 34 4 42 27 49 11 47 3 Manatee. 26 29 34 4 42 27 49 11 47 3 Myers. 33 29 41 4 45 27 53 12 52 3 68 10 70 + 70 28 61 22 57 + 54 4 43 30 8 8 70 8 70 7 71 23 69 8 70 19 67 1 51 28 8 70 8 70 8 70 8 70 8 70 8 70 8 70 8	Kissimmee Merritt's Island Minneota Park Mullett Key New Smyrna Ocala Orange City Orlando Plant City St. Francis Sebastian Tampa	27 29 30 32 26 25 27 20 29 28	28 29 † † † † 28 27 † 29	36 44 39 45 36 37 38 38 31	† 3 3 † 4 4 7 3 28 4 28 28	48 52 45 56 40 45 48 40 37 50 46	25 1 27 1 27 27 26 27 27 27 27 27	48 52 52 54 45 46 46 46 39 	12 11 † † 12 11 10 12 12 12 	48 60 49 66 48 55 50 50 55	5 3 3 4 3 2 3 4 3	65 70 66 74 66 65 65 66 62 68 68	10 9 10 † † 11 † 10 1	68 74 68 75 66 69 68 66 61 70 70	18 14 15 21 15 17 16 15 15 14 17 15	69 71 69 73 6; 70 69 66 67 71 70 67	14 26 †	54 56 55 62 52 52 51 50 54 54 52	22 22 21 22 21 22 21 22 21 22 21 22 21 22	54 60 53 64 53 50 49 52 50 49 54 56 51	25 25 27 24 26 25 20 30 + 30 25 31 25	49 56 49 59 46 48 48 45 45 50 45	† 23 3 † 13 2 13	37 47 41 46 35 32 32 36 32 32 42 40 33	† 6 30 31 30 7 30 † 30 31 6 30
Carrabelle	Boca Raton. Jupiter. Key West. Lemon City. Manatee.	34 51 38 26	29 29 29 29	46 58 45 34		50 49 65 48 42	26 27 28 23 27	55 59 66 58 49	9 11 17 12 11	59 57 70 47	3 8 3	70 71 70 72	1 † 8 † 	69 69 70	14	71 71 71 73 65	4 4 23 28 7	64 61 69 65 57	23 22 8 23 +	59 59 70 58 52	19 26	58 67 58 48	3 1 † 5	49 51 52 34	29 28 31 30
	Carrabelle DeFuniak Springs Haywood Mobile Montgomery Pensacola Perry	17 18 14	28 28 28	38 32 27 32 	24 28 28 28 28	38 41 37 43 	1 1 1 1	37 45 42 46 53	11 16 11 10	52 47 51	1 2 2 2 2 2	66 65 63 69	7 9 7 6	62 64 65 63 69	13 9 14 14 14 	66 68 69 65 70	† 25 19 25 15	46 52 54 53 57 46 49	21 22 23 22 22 22 22 22	44 46 49 46 50 42	25 26 26 30 30 +	39 42 37 32 41 36	† 30 30 30	28 33 29 31 32 28	

⁺ More than one date,

MONTHLY AND ANNUAL MEAN PRECIPITATION FOR THE

	Janu	pary.	Febr				Ap	ril.		ay.	Ju	ine.
STATIONS.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.
NORTHE. N SEC.						193						
Amelia Archer Federal Point Huntington Jacksonville Jasper Lake Butler Lake City Macclenny Orange Park Savannah St. Augustine	1 89 1 89 1 49 1 27 1 28 1 73 1 40 1 57	-1.38 -2.16 -1.78 -1.40	9.77 12 79 11 06	+3.97 +8.75	0.52 1.60 2.89 3.09 2.47	-1 83 	7.04 5.00 4.51	-1.87 -0.12 +2.25	2.81 0.66 1.20 1.55 1.10 1.43	-2 65 -3.43 -1.82 3 -3.44	7.06 5.01 6 67 7.42 7.53 3.33 3 94 5.45	1 -(1 -(1 -(1 -(1 -(1 -(1 -(1 -(
Switzerland				*****							1.46	
Bartow. Brooksville Clermont Earnestville Emerson Eustis. Fort Meade Gainesville Grasmere Kissimmee Merritt's Isl'd Minneota P'k Mullet Key New Smyrna Ocala Orange City Orlando Oxford Plant City St. Francis Sebastian Tampa Tarpon Spr'gs	1 48 0 18 1 67 1 26 2 12 2 19 2 11 1 58 1 16 2 09 0 87 2 04	-2.86 +1.51 +0.03 +0.42	4.56 6.82 2.34 3.52 3.89 4.24 5.12	$\begin{array}{c} +3.31 \\ +3.09 \\ +2.97 \end{array}$	3.29 0.28 0.28 0.39 0.39 0.32 1.05	3 —1.16 5 —0.0I 2 —2.65 5 —1.28	I.58 2.75 3. 8 2.17 2.39 1.30 3.96	+0.20 +0.31 -0.31 -0.16 pl3.64	3.30 4.26 1.16 2.07 0.27 3.84 4 0.82	$\begin{array}{c} 1 \\ 1 \\ 1 \\ 2 \\ 3 \\ 1 \\ 1 \\ 2 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3$	3.72 5.44 6.84 4.89 2.62 3.81 5.72	2 4
Boca Raton Jupiter			-		0.15		6.0		11.0		9 95	

YEAR 1897, WITH DEPARTURES FROM THE NORMAL.

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	65 6 75 20.88 7,64 1.69 20.88 7,64 1.69 20.85 20 7,30 +0.09 8.78 pl2.05 4.29 -1.70 1.18 -2.52 5.07 -2.53 50.03 -7. 2.56 6.85 12.29 4.42 1.78 2.69 57.15 67 -2.81 6.27 -0.22 16.23 +7.80 6.00 +0.81 1.56 -0.96 4.83 pl1.98 60.70 pl6. 23 6.36 4.02 1.15 1.98 2.69 57.15 69 -4.71 6.58 -0.07 6.43 -0.86 3.84 +1.25 0.93 -3.40 4.10 pl0.66 54.80 pl6. 49 12.11 9.35 5.26 1.40 3.25 65.91 66 3.59 12.70 0.66 3.54 0.66 3.54 3.59 12.70 0.66 3.54 3.59 12.70 0.66 3.54 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.55 0.66 3.55 0.66 3.55 0.66 3.55 0.0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0.	.65 6 75 20.88 7,64 1.69 2.52 5.07 -2.53 50.03 7.05 5.29 7,30 7.28 2.39 3.71 64.47 64.47 1.66 6.85 12.29 4.42 1.78 2.69 57.15 67 -2.81 6.27 -0.22 16.23 +7.80 6.00 +0.81 1.56 0.96 4.83 pl1.98 60.70 pl6. 23 6.36 4.02 1.15 1.98 6.9 -4.71 6.58 -0.07 6.43 -0.86 3.84 +1.25 0.93 3.40 4.10 pl0.66 54.80 pi6. 49 12 11 9 35 5 26 1.40 3.25 65 91 10 +2.29 6.73 -1.01 6.52 +0.40 6.87 +3.25 0.71 -1.57 2.26 -0.95 54.08 pl2. 10 +2.29 6.73 -1.01 6.52 +0.40 6.87 +3.25 0.71 -1.57 2.26 -0.95 54.08 pl2. 05 -2.02 5.18 +0.15 12.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65 91 pl6. 13 79 6 97 1 73 3 68 5.52 7.	.65 6 75 20.88 7,64 1.69 2.52 5.07 2.53 50.03 7,05 5.29 7.30 7.28 2.39 3.71 64.47 6.56 6.85 12.29 4.42 1.78 2.69 57.15 67 2.81 6.27 -0.22 16.23 +7.80 6.00 +0.81 1.56 -0.96 4.83 pl1.98 60.70 pl6 69 -4.71 6.58 -0.07 6.43 -0.86 3.84 +1.25 0.93 -3.40 4.10 pl0.06 54.80 pi6. 49 12.11 9.35 5.26 1.40 11.5 1.98 65 12.29 6.73 -1.01 6.52 +0.40 6.87 +3.25 0.71 -1.57 2.26 -0.95 54.08 pl2. 10 +2.29 6.73 -1.01 6.52 +0.40 6.87 +3.25 0.71 -1.57 2.26 -0.95 54.08 pl2. 05 -2.02 5.18 +0.15 12.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 07 16.45 13.79 6.97 1.73 3.68 1.40 19.2 2.50 pl0.04 65.91 pl6. 1.51 2.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 1.51 2.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 1.51 2.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 1.51 2.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 1.51 2.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 1.51 2.91 1.51 2.	Ju	ly.	Aug	rust.	Septe	mber	Octo	ber.	Nove	mber	Dece	mber	An	nual.
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	65 6 75 20.88 7,64 1.69 20.88 7,64 1.69 20.85 20 7,30 +0.09 8.78 pl2.05 4.29 -1.70 1.18 -2.52 5.07 -2.53 50.03 -7. 2.56 6.85 12.29 4.42 1.78 2.69 57.15 67 -2.81 6.27 -0.22 16.23 +7.80 6.00 +0.81 1.56 -0.96 4.83 pl1.98 60.70 pl6. 23 6.36 4.02 1.15 1.98 2.69 57.15 69 -4.71 6.58 -0.07 6.43 -0.86 3.84 +1.25 0.93 -3.40 4.10 pl0.66 54.80 pl6. 49 12.11 9.35 5.26 1.40 3.25 65.91 66 3.59 12.70 0.66 3.54 0.66 3.54 3.59 12.70 0.66 3.54 3.59 12.70 0.66 3.54 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.54 0.66 3.55 0.66 3.55 0.66 3.55 0.66 3.55 0.0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0.	.65 6 75 20.88 7,64 1.69 2.52 5.07 -2.53 50.03 7.05 5.29 7,30 7.28 2.39 3.71 64.47 64.47 1.66 6.85 12.29 4.42 1.78 2.69 57.15 67 -2.81 6.27 -0.22 16.23 +7.80 6.00 +0.81 1.56 0.96 4.83 pl1.98 60.70 pl6. 23 6.36 4.02 1.15 1.98 6.9 -4.71 6.58 -0.07 6.43 -0.86 3.84 +1.25 0.93 3.40 4.10 pl0.66 54.80 pi6. 49 12 11 9 35 5 26 1.40 3.25 65 91 10 +2.29 6.73 -1.01 6.52 +0.40 6.87 +3.25 0.71 -1.57 2.26 -0.95 54.08 pl2. 10 +2.29 6.73 -1.01 6.52 +0.40 6.87 +3.25 0.71 -1.57 2.26 -0.95 54.08 pl2. 05 -2.02 5.18 +0.15 12.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65 91 pl6. 13 79 6 97 1 73 3 68 5.52 7.	.65 6 75 20.88 7,64 1.69 2.52 5.07 2.53 50.03 7,05 5.29 7.30 7.28 2.39 3.71 64.47 6.56 6.85 12.29 4.42 1.78 2.69 57.15 67 2.81 6.27 -0.22 16.23 +7.80 6.00 +0.81 1.56 -0.96 4.83 pl1.98 60.70 pl6 69 -4.71 6.58 -0.07 6.43 -0.86 3.84 +1.25 0.93 -3.40 4.10 pl0.06 54.80 pi6. 49 12.11 9.35 5.26 1.40 11.5 1.98 65 12.29 6.73 -1.01 6.52 +0.40 6.87 +3.25 0.71 -1.57 2.26 -0.95 54.08 pl2. 10 +2.29 6.73 -1.01 6.52 +0.40 6.87 +3.25 0.71 -1.57 2.26 -0.95 54.08 pl2. 05 -2.02 5.18 +0.15 12.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 07 16.45 13.79 6.97 1.73 3.68 1.40 19.2 2.50 pl0.04 65.91 pl6. 1.51 2.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 1.51 2.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 1.51 2.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 1.51 2.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 1.51 2.97 +5.52 7.50 pl3.43 1.40 -1.92 2.50 pl0.04 65.91 pl6. 1.51 2.91 1.51 2.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	9eparture.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.
9 07 16 45 13 79 6 97 1 73 3 68	1.55	1.55 7.40 11.94 2.66 1.16 2.62 58.59 18.55 7.40 11.94 2.66 1.16 2.62 58.59 198 9 16 7 97 4 62 1 18 2 08 55 27 7 82 7 44 8 48 5 40 1 18 2 52 47 21 133 8 08 10 02 3 35 1 07 2 89 59 55 10 10 10 10 12 12 12 12 12 12 12 12 12 12 12 12 12		3.23 2.69 6.49	-2.81 -4.71	6.58	-0.22 -0.07	20.88 8.78 17.30 12.29 16.23 6.36 6 43 9 35	pl2.05 +7.80 -0.86	7,64 4.29 7.28 4.42 6.00 4.02 3.84 5.26	+1.25	1.15 0.93 1.40	-0.96 3.40	1.98 4.10 3.25	pl1.98	54.80 65.91	pl6. pi6.
	5 49	5 49	33 8 08 10 02 3 35 1 07 2 89 59 55 4 99 8 49 10 02 3 35 1 07 2 89 59 55 5 21 pl2.09 7 36 pl2.18 l2.72 pl3.75 5.43 pl2.00 l .22 pl0.74 l .72 pl1.16 55 52 -11. 81 pl4 28 8 40 pl1 l 2 l 6 36 pl8 30 2 38 -0 47 0 97 -0 26 l .68 -0 51 51 28 pl5 7 28 3 72 10 96 4 20 1 31 - 2 55 47.95 5 70 pl 14 4 63 -3 13 15 20 pl5.23 3 00 -0.61 0.50 -2.24 2 94 -1.22 51 70 pl0. 2 59 -3.17 1 91 pl1 17 17 97 pl9 61 l0 81 pl5 34 5 99 pl3 55 2 18 -0 19 59 09 pl5 3 94	9 07		16 45		13 79		6 97		1 73		3 48			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9 4 pl4.86 2 17 -1.31 17 63 pl11.5 4 20 pl1.88 5 17 -0.10 2 19 pl0.63 56 40 pl4. 7.03 pl2 39 6 90 pl1 63 9 83 pl2 95 3 55 pl0 60 0 53 -1 44 3 08 pl1 07 49 70 -1 2 89 pl7 50 5 30 -0 22 14 08 pl5 53 5 26 pl0 27 3 66 pl2 05 2 21 pl0 00 51 32 pl8 2 6 pl5 13 4 32 -3 35 15 77 pl8 29 3 55 pl2 58 1 91 -1 03 2 62 pl1 13 53 57 18 0 0 6 70 14 00 4 10 17 2 1 20 48 58 1 20 1 20 48 58 1 20 1 2	6 36 3 75 3 11 12 87 4 77 1 98 1.86 53 99 6 23 -1.67 7 84 -0.58 10 73 pl1.95 4 78 pl1.64 0 63 -1.63 2 50 pl0 78 54.41 -0.55 -2 13 7 87 -2 34 9 15 pl6 10 2 54 -0 51 1 50 -0 87 2 48 -1 31 44 48		7.58		4.47	-11 00	15.97	-10 00	10.01	-10.00	1.35	-19.00	1.74	0.70	97.00	pl29.

MONTHLY AND ANNUAL MEAN PREDIPITATION FOR THE

	Jan	uary.	Febr	uary.	Ma	reh	Ap	oril.	M	ay.	Ju	ne.
STATIONS.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Deporture.	Precipitation	Departure.
Kev West	3.90	+1.81	1.06	-0.57	0.38	0.8	4.45	+3.14	4.38	+1.22	2.10	_1.90
Lemon City								pl6.80		pl0.13		
Manatee	3 05	pl0.25	2.97					pl2.57		pl2.22		
Myers								pl4.71		pl0.41		
WESTERN SEC.							•					
Carrabelle	1								20222		3.60	
DeFuni'k Sp's	2.10		12.25		7.82		4.50		1.25		7.00	
Haywood			7.83		6.94		6.99				3 50	
Milton									1.13		2.34	
Mobile										-0.80		
Montgomery										-3.37		0.8
Pensacola										-2.07		-3.3
Perry			***		5330000		100000000000000000000000000000000000000					
Quincy			12.40		6.70		d7 66		2.98		4.01	
Tallahassee	1 42	-2.71	10.45	pl6.37	8.84	pl3.45	9.29	pl6 53	0.43	-5.31	2.64	1000
Wausau												1

pl. means plus.

YEAR 1897. WITH DEPARTURES FROM THE NORMAL -Continued.

Ju	aly.	Aug	gust.	Septe	ember	Oct	ober.	Nove	ember	Dece	mber	An	nual.
Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.
11 74	pl1 18	2 20 5 33	-644 -251	20 35 9 59	pl1.68 pl9 21 pl2 15 pl2 85	7 35	-1 68 pl2 16	1 15 2 00	-0 33 pl0 21	1 00 2 60	pl0.45 -1 68 pl3 46 -0 94		
3 96 8 30 3 95 7 75 1 40 2 19 6.13	pl1.22 —3 13 —4 54	12 41 9 33 10 99 11 56 6 49 5 67 1 11 	pl4.66 pl2 36 —2 69	1 94 2 26 2 43 3 2 12 3 1 06 9 2 35 4 35 	-3.03 -1.89 -2.45	2 25 0 71 3 96 2 12 0 55 1 33 1 92	-1.29 -1 81 -2 00	2 02 2 34 4 88 3 20 1 69 3 61 2 75	-0.62 -1 70 16	3 15 3 88 4.97 3 37 2 86 4 24	-1 30 -1 03 	60.65 63.18 46 25 40 69	pl0.57 5 97 16 40

VOLUNTEER OBSERVERS.

Station.	Observer.
Amelia	Mrs W Allen.
Archer	W C Andruss.
Bartow	J S Wade.
Boca Raton	J M Richards.
Brooksville	Col F L Robertson.
Carrabelle	A P Pennell.
Clermont	W M Kern.
DeFuniak Springs	J T Stubbs.
Emerson	W J Clarke.
Earnestville	L B Dobell.
Estoro	OF L'Amorreaux.
Eustis	H W O Margary.
Federal Point	Chas Ingalls.
Fort Meade	Chas Stansfield.
Gainesville	Jas Bell.
Grasmere	J B Escott.
Haywood	D L Burke.
Huntington	BN Bradt.
	SECTION CENTER.
	Prof W A Little.
Jupiter	U S Weather Bureau.
Key West	"
Kissimmee	D C Lee.
	John A King.
	Col W B Knight.
	E L White.
	H L White.
	C V S Wilson.
Merritts' Island	Rev James White.
Milton	John Carlovitz.
	F W Porter. Miss M M Gardner.
Myers	U S Weather Bureau.
Montgomery	US Weather Bureau.
Mullet Key	Dr D Echemendia.
37	J A Kerr.
	C Westall.
0 1 77:11	E S Coutant.
Ocala	W L Jewett.
	O Y Felton.
	S M Morse.
Orange Park	E R Latham.
Orlando	E A Richards.
Oxford	W A Sparkman.
Pensacola	U S Weather Bureau.
Perry	I W Lundy.
Plant City	Wiley Stinson.
Quincy	Wm Corry.
Savannah	U S Weather Bureau.
St. Augustine	Papt J F Ives, U S A.
St. Andrews' Bay	W A Emmons.
St. Francis	Dr John C Peyton.
Sebastian	S Kitching.

VOLUNTEER OBSERVER -- Continued.

Station.	Observer.	
Switzerland Tallahassee Tampa. Tarpon Springs Wausau.	Rev W A Carter. U S Weather Bureau. C D Webster.	

ANNUAL SUMMARY FOR THE YEAR 1898.

ATMOSPHERIC PRESSURE IN INCHES AND HUNDREDTHS.

The average atmospheric pressure for the year was 30.09 inches. The highest monthly mean pressure for the State was 30.17 inches in January; the lowest monthly mean pressure was 30.01 inches in September. The highest barometer reading during the year was 30.60 inches at Pensacola on January 2d; lowest, 29.09 inches, at Jacksonville on October 2d; annual range for the State, 1.51 inches.

AIR TEMPERATURE.

The annual mean temperature for the State was 70.5 degrees, which is slightly below the normal. The highest monthly mean temperature was 83.8 degrees at Clermont in June and July. The lowest monthly mean temperature was 51.4 degrees at DeFuniak Springs in February. The highest absolute temperature, 102 degrees, occurred at Lakemont on May 28th; Clermont, June 11th and 12th and July 18th, and McClenny on July 20th. The lowest temperature, 17 degrees, occurred at Archer and Wausau on January 3d; range for the State, 85 degrees. The coldest months were February and December, with an average temperature of 57.5 degrees; the warmest was July, with a mean of 81.6 degrees. The annual thermal data by sections were: Northern, 69.0 degrees; Central, 71.5; Southern, 73.6, and Western, 67.7 degrees.

PRECIPITATION.

The precipitation averaged for the State 48.36 inches, which is about 4 inches below the normal. Compared with 1897, we find that 8 inches less rain fell during the current year. The greatest average monthly amount was 12.96 inches in August; the least average monthly amount was 0.74 inch in January. The greatest monthly total, 31.26 inches, fell at St. Andrew's Bay in August; the least monthly sum was 0.00 at Lemon City in January. The greatest yearly total was 77.02 at St. Andrew's Bay, and the least was 33.44 inches at Merritt's Island. Annual rainfall by sections was: Northern, 49.51 inches; Central, 45.01; Southern, 46.81, and Western, 64.56 inches.

WIND AND WEATHER.

The prevailing wind direction during 1898 was northeast. The maximum wind velocity recorded at Weather Bureau

stations was 60 miles per hour from the west at Jacksonville on October 2d.

MISCELLANEOUS.

Thunder storms were less frequent and not so severe as during 1897. Reports of fogs were rare, and no severe hail storms occurred.

Killing frosts occurred over Western, Northern, and sections of Central and Southern districts during January and February. The first killing frost of autumn was reported during November.

ANNUAL AVERAGE TEMPERATURE AND PRECIPITATION

During the past seven years, deduced from Weather Bureau and voluntary meteorological stations:

Year.	Mean Temperature.	Average Rainfall.
1892	70.4	48.0
	71.0	
1894	71.2	52.5
	69.9	
	71.0	
1897	71.2	54.1
1898	70.5	48.4

CLIMATOLOGICAL DATA FOR THE YEAR 1898.

		Te	mperat	ture	(deg. Fa	hrei	nheit).		Precip	itatio	n (Inc	hes)		oż		Sky.		Jo u
STATIONS.	Elevation, feet.	Length of record,	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Number rainy days	Number clear days.	umber cloudy d	Number cloudy days.	Prevailing direction wind.
Lake Butler	210 140 25 36 10	1 27 2 9 1 3 26	69.1 75.5 69.8 58.1g 69.3 69.7 68.3a 70.2a 67.2 67.7 67.2*	100 101 102 100 101 95	July 20 July 20 July 18 July 20 June 10 July 20 July 10 May 30 June 19	24 0 25 24 0 22 0 22 0 23 0 23 0 25 25 25 25	Jan. 3		50.97 43.30 45.71 11.74 60.68 53.15 51.72 48.83 60.18 38.51 46.87	5.52 19.20 11.96 15.79 18.01 22.79 9.00 11.32	July Aug. July Dec. Aug. July July Aug. Aug. July	.83 .91 .43 .51 .83 .54 .46 .38 .33 .55 .48	Mar. Jan. Jan. Nov. Jan. Jan. Jan. Jan. Jan. Jan. Jan. Jan	112 86 135 29	130 204 147 52 176 78 140 153 155	88 112 167 51 157 161 189 103	116 49 51 17 32 126 36 78 94	ne we ne we ne sw
Bartow Brooksville Clermont Earnestville	328	5	73.7a	97 102	June 1:	2 23 26	‡		51.64 39.66	13.44 13.48	luly Aug. Aug.	.15	Apr. Mar. Jan. Mar.	99 85	220 201	121	24 16	se s w ne ne

		180	6			‡		25	‡	1	48.46	10.	95 A u	g4	7 Apr.	119	124	128	113	ne
	Ft. Meade	125	. 3	70.06	97	July	21	26	1		46,26	9.	68 A u	g4	2 Jan.	83	208	123	34	ne
5	Gainesville	178	5	69.6	100	1		20 J:	an.	3	58.48	12.	71 Jul	y .8	3 Mar.	107	229	29	77	
-	Grasmere	175	6	71.7	101	İ		19 J:	an.		42.00	12.	20 Au	g .4	1 Mar.	88	285	49	31	٤W
	Homeland		0000	78.1.	99	ŧ						1					126	79	40	se
	Kissimmee	65	6	72.8	98	1		22 1	in.	3,	40.47	11.	41 Au	g0	0 Mar.	73	214	114	37	se
	Merritt's Island	20	12	72.7	96	May	31	28 Ja		2	33 44				O Jan.	75	256	54	55	se
	7				102	May	21	28	+		36,60				4 Feb.	105	228	115	22	ne
	New Smyrna	20	6	69.8	94	+	100	22 1	n T	3	38.87				7 Jan.	75	187	126	52	se
	Oak Hill*	25		74.01	100	+			****			1					21	52	591	ne
	Artest and an artist and artist artist and artist artist and artist arti	150	17	70.9	101	July	20	19 1	. 11	3	54 88	10	66 10	v 1 9	4 Mar.	103		145	77	ne
	Croaties	50	5	TOTAL PROPERTY AND ADDRESS OF THE PARTY AND AD	99	July				3	41.48				1 May	86	201	99	65	se
		98	5	71.7	98				4		36,90				5 Apr.	116		81	42	8
	Children	00	5	11.1	00	July	10	20 J:	+	3	00.00	10.	oo Au	K	o Apr.	110	~4~	01		
	Oxford*	21	"	71.9		June	111			3	47.31	15	00 1.		2 Apr.	83	221	92	52	ne
	1 1600 0 0 11,7		2				11		LII.							84		103	2	
	St. Francis	20	4	1440	97	T .		18 Ja		3	40,44				I Jan.	82	261	103	4	ne
	ricomonium,	36		74.2a	93			24 Ja		2	37.40				2 Jan.	82	100			
	ramparer	20	8	The second secon	95	The second second		27 1		3			83 A u		8 Mar.	1144	179		44	
	Tarpourphings	20	12		94	Aug.		22 14		3	61 20				8 Jan.	102		123		sw, w
	Entire Section			71.5	102	‡		18 Ja		3	45.01	20.	16 A u	g0	0 Mar.	93	202	116	47	ne
	Boca Raton	6	V 30	74.1a	90	1		33 J;	in.	3	43.07	15.	18 Oc	t. 3	4 Jan.	70	220	74	10	e
	Estero*	16		74 4												68	135	174	56	ne
	Jupiter	28	10	73.7	91	Sept.	17	31 Ja	LD.	3	39.10	10.	89 Oc	1	2 June	117	182	145	38	e
	Key West	22	26		91	July		46 J:		3	43,39	16.	99 Oc	12	2 Feb.	109	180	143	42	e
	Lemon City	15	2	74.9	92	Ť		35 Ja		3	49.58	14	65 Oc	0	0 Jan.	54	159	158	48	se
	Vanatee	16	17	71.1	100	June				3	58.53				5 an.	98	212	91	31	
	Myers		13		94	July		28 Ja		3	47.17				2 Feb.	93	258	82	2	S
	Entire Section WESTERN SECTION.		-	73.6	100					3	46.81				0 Jan.	88		140	42	e
	Carrabelle	12	9	71.35	05	Inly	1	99 1	111	2	37.30	10	90 An	T	+	23	271	0	21	sw
	Crawfordville	1.00	~	62.9b	225.1	July		100 TO 100		~					5 Sept.			59	15	ne
	De Funish Conings	034	9	65.7		July		is Ja	n	i					1 May	112	700000	224	62	110
	DeFuniak Springs	90	4	00.7	1 00	July	1	10198	til.	1	00.00	144.	oo za u	8.1.9	Libray	1110	10	wat	0,0	11:11

CLIMATOLOGICAL DATA FOR THE YEAR 1898 .- Continued.

		Te	mpera	ure	(deg. 1	Fah	ren	heit).		Precip	itatio	n (Inc	ches)				Sky		n of
STATIONS	Elevation, feet.	Length of record,	Annual mean.	Highest.	Date.		Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Number rainy days	N u m ber clear days.	Number partly cloudy days.	Number cloudy days.	Prevailing direction
Haywood. Live Oak. Mobile, Ala. Montgomery, Ala. Pensacola. St. Andrew's Bay. Stephensville. Tallahassee	35 219 56	25 18	66.4 65.3 67.5 69.4b	97 100 97 98	July July July	2i 1 21	20 18 26	Jan. 2		66.11 39.75 72.20 77.02 61.33	16.40 7.92 18.58 31.20 21.90	Aug. Sept. Aug. Aug. July Aug.	3.16 .81 .50 .64 .76	Sept.	134 121 127 79	182 154 129 216 125 184	107 146 52 48 129	68 104 90 36 86 52	n sw, n ne, sw nw sw e, s
Wausau	250			99 100	June			Jan. 3 Jan. 3				Aug.		May		1111/25/119/02			

^{*} Eye observations. Means from 7 a. m., 2 p. m. and 9 p. m.

† More than one date. T Less than .01 inchLetters denote the number of months data are missing.

MONTHLY AND ANNUAL MEAN TEMPERATURE

	J	an.	F	eb.	1	dar.	Ap	r.	Me	y.	Ju	ne.
STATIONS.	Temperature	Departure.	Temperature	Departure,	Temperature	Departure,	Temperature	Departure.	Temperature	Departure,	Temperature	Departure.
NORTH'N SECTION								4				13
Archer Federal Point Hunsington JACKSONVILLE JASPER Lake Butler Lake City McClenny Orange Park Savannah St. Augustine Switzerland*	58 1 60 0 59.2 56 4 58 8 60 5 58 6 57 2 55.5	pl6 2 pl4 5 pl4 5 pl2 0	55 8 58 6 55 6 52 7 56 4 55 2 54 6 55 0 51 2 54 5	-5 6 -3 0 -6.2	66 0 67 7 66 7 65 0 70 3 67 0 66 6 64 8 64 0 65 6	pl4.7	66 4 68 0 66 7 54.4 64 5 66 4 66.1 66.6	-2.1 -2.5 -2.5 -3.0	74 6 67 4 76.5 76 6 76 9 75 6 76.6 75 8 73 8	pl1 5	81 8 81.4 81 4 80 4	pl1.
CENTR'L SECTION												
Bartow. Brooksville Clermont Earnestville Earnestville Fort Meade Gainesville Grassmere Homeland Kissimmee Merritts Island. Lakemont New Smyrna Oak Hill* Ocala Orange City Orlando Oxford* Plant City St. Francis Sebastian Tampa Tarpon Springs.	59 0 55 1 60 2 64 4 63 7 63 9 60 3 61 2 60 8 59 0 62 8 60 1 64 2 62 9	pl5.6 pl0 6 pl2 2 pl3.0 pl1 2 pl3.2 pl3.3 pl3.3 pl3.2 pl3.3 pl3.3 pl3.2 pl3.3 pl3.2 pl3.3 pl3.3 pl3.2 pl3.3 pl3.2 pl3.3 pl3.3 pl3.2 pl3.3 pl3.3 pl3.2 pl3.2 pl3.3 pl3.2 pl3.2 pl3.3 pl3.2 pl3.2 pl3.3 pl3.2 pl3.3 pl3.2 pl3.2 pl3.3 pl3.2 pl3.2 pl3.3 pl3.2 pl3.2 pl3.2 pl3.2 pl3.3 pl3.2 pl3.2 pl3.2 pl3.3 pl3.2 pl3.2 pl3.2 pl3.2 pl3.2 pl3.3 pl3.2	57 4 61 4 59 6 59 0 55 0 55 61 4 63 0 57 8 57 8 57 8 57 4 59 0 56 1 57 1 58 6	-1 9 -4.6 -5.3 -7.1 -5.2 -4.6 -5.3 -7.1 -5.2 -4.0 -5.9	67.1 70 8 70 1 69 8 67.5 66 4 68.6 69 9 71 3 66 4 69 4 68.2 67 6 69 4 69 4 69 9 67 6	pl5.5 pl2 7 pl5 4 pl1.7 pl3 5 pl2 7 pl3 5 pl2 7 pl1 2 pl1 2 pl2 0 -5.0	70.0 66 6 69.2 68 4 71 2 72 4 67 6 69.0 69.8 69.0 65 6 70.6 68 9 68.8	-1.5 pll.2 -0 32 02 01 72 02 7	76.8 77.5 78.2 77.6 76.7 79.4 72.2 76.9 77.7 77.1 75.2 72.5 74.6 76.6	pl2.3 pl3 4 -0.0 pl0.9 -3.3 pl3 5 pl3 4 pl1 6	82 6 83 2 83 4 82 2 81 2 83 2 77 4 81 4 83 6 81 7 77 6 81 3	pl3. pl3. pl3. pl3. pl1. pl23. pl2. pl4. pl3.
Boca Raton Estero* Jupiter Key West	67.3 62 0 64.7 76.0	0.0	65.0 60 5 64 0 68.6	3 0	68.6	pl1.0 pl0.7	70 5	0.0 pl0.8	75.4 75.8 76.0 78.0	0.0	79.8 81 0 79 0 82 4	

FOR THE YEAR 1898, WITH DEPARTURES.

Ju	ly.	Au	ıg.	Se	pt.	O	ct.	N	ov.	De	ec.	Ann	ual.
Temperature	Departure:	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.
80 8 82 0 82 0 82 8 81 4 82 8 83 2 81 2 79 8	-0 3	80 6 80 8 82 1 80 9 81 0 81 8 81 4 80 3 79 4	pl1 0 pl0 8 	78 5 79 8 79 8 81.2 79 9 80 0 78 0 78 0 79 1	pl2 0 pl2 0 pl2 0	70 2 70 6 70 0 66 8 69 6 69 2 74 4 67.6 71 4	0.0 0.0 pl0 5 pl1.0 t 15 9	63 7 65 1 62 6 56.1 62 6 62 0 57 4 64 4	pl4 0 pl3 51 0 pl1 2	55 1 55 7 54.8 52 8 55 4 54 6 54.0 53 8 51 4 58 2	-0 2 	69 1 70 5 69 8 69 3 69 7	pl1pl1.
83 0 80 7 83 4 83 6 83 8 83 8 83 2 81 8 82 5 78 9 82 2 83 2 82 83 2 82 83 2 83 83 8	pl1.5 pl1 1 pl4 6 pl0 2 pl0 8 -2 2 pl1 4 pl6 8 pl1 2	79 4 80 2 81 6 81 8 80 9 81 8 82 2 83 6 81 1 81.0 81 0 81 0 81 6 81 6	pl0.8 -0 1 pl3 7 -1 5 -0 2 pl0 3 pl0 6 pl0 5 pl0 2	79 8 81 0 81 4 81 1 80 6 79 8 81 2 82 3 81 0 81 3 82 0 77 6 81 6 80 1 80 6	pl3.6 pl2 1 pl3 6 pl0 8 pl1 5 pl0 7 pl2 5 pl0 7 pl1 9	70 8 72 1 72 6 73 2 74 6 75 0 75 8 73 2 74 6 73 0 75 8 73 2 74 6 75 0 75 8 73 2 74 72 9 0 75 0 75 8 75 0 75 8 75 0 75 8 75 0 75 8 75 0 75 8 75 0 75 8 75 0 75 8 75 0 75 8 75 0 75 8 75 0 75 8 75 0 75 0	pl2.1 pl1.3 pl1.7 pl0.3 —0.4 pl0.7 —0.5 pl0.7 —0.5	66 2 67 3 67 0 67 0 69 3 63 2 67 0 68 6 69 2 67 8 71 3 65 6 68 0 68 0	pl3.1 pl3 3 pl2 2 pl0.5 pi1 3 pl2 0 pl2 2 pl6 2 pl1 7	57.6 50 2 58 6 59 3 53 4 57 4 61 1 60 8 61 3 63 0 57 8 61 9 57 5 58 2 59 9	-0.0 -2.3 -3.7	72 3 72 2 69 6 71 7 72 8 72 7 60 8 70 9 71 7 71 7	pl1. -0. pl2. -0. pl0. -1. pl1. pl1. pl0.
81.6 79.8 81.0	0.0 1.3	79 4 80 8 81 8 81 8 81 8	3	80 4 80 5 80 5	pl1 0 1 1	74 6 72 72.4 77 8 75 4 76 8	0 0 0.2	70 6 68 2 68.4 73 8 71 3	pl3 4	61 3 60 0 59 1 68.4 68 5 66 2	2 8 -1 6	72 7	-0 pl0

MONTHLY AND ANNUAL MEAN TEMPERATURE FOR

	J:	an.	F	eb.	Ma	rch.	Ar	ril.	M	ay.	Ju	ne.
STATIONS.	Temperature	Departure.										
Lemon City	65. 7	_3 0	66.0	_1 0	79 1	-0.8	72 2	_3 8	76 0	-0.9	81 0	_1 2
Manatee	61 0	_0.6	59 0	_4 7	66 7	pl1 4	69.0	_9 5	76.0	-0.4	80.7	0.0
Myers	65 4	pl2 6	63 3	_2 7	64 2	-0.7	69 7	_4 1	75 6	9 1	80 0	n10.6
WEST'N SECTION.												
Bluntstown					22.0							****
Carrabelle							65.3		74.9		82.0	
Crawfordvill c DeFuniak Sp'gs						******			1111			
DeFuniak Sp'gs	55.6		51 4		63 6						79 6	
Haywood			93 9		66 1		66 0		78 4		85 2	
Live Oak	2:12	12.4	23.7			::::	22.1		::::	::::		
Mobile	34 7	pla.0	52 6	-2.0	62 6	p14.0	03 5	- 0.5	74 8	p11.1	80 2	0 0
Montgomery	52.1	pi+ 4	49 2	-3 4	63 0	pia 1	01 0	-14	70 1	pla 2		pl2 0
Pensacola										pu 4	81 0	
Quincy					****		***			****	****	******
Stephensville	27 0	-15 0	20 0		00 0	-15 9	0= 0		Pe 1	-10 1	00 0	-10 6
Tallahassee												pl2.6
Wausau St. Andrews Bay.												

^{*} Mean from readings taken 7 a. m., 2 and 9 p. m.

THE YEAR 1898, WITH DEPARTURES .- Continued.

Jul	ly.	Au	g.	Sej	pt.	00	ct.	No	ov.	De	c.	Ann	ual.
Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.	Temperature	Departure.
80 4	-0.8 -1.5 -1.3	80.0	$ \begin{array}{c} -1.7 \\ -1.8 \\ -2.2 \end{array} $	79 8	0.0 -0.5 -0.4	73 1	$-1.1 \\ -0.8 \\ -1.5$	67 4	plo 6	59 6	-3 4	71 1	_0 9 _1 1 _1 8
82 0 78 6 83 1 81 0 80 6 80 9	 -1 0	81.0 78 2 80 0 78 8 80 0	0 0	76 8		63 6	-2 0 -1 0	52 8		52 3 49 8 49 4 48 0	-i o	65 7 66 4 65 3	
85 6	-0 5	83 4 79 4 79 5	p10 5	83 8 79 9	pl3 9	70 2 67 1	pl0 2	71 2 58 2		51 1	-3 2	67 9	p10 s

pl means plus.

MONTHLY MAXIMUM TEMPERATURE FOR THE YEAR 1898, WITH DATES.

	Ja	n.	Fe	b.	Mar	ch.	Ap	r'l.	Ma	ıy.	Ju	ne.	Ju	ly.	Au	ıg.	Sej	ot.	O	st.	No	ov.	De	c.
STATIONS.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
NORTHERN SECTION Archer Federal Point. Huntington. Jacksonville Lake City. Lake Butler Macclenny Orange Park Savannah St. Augustine. Jasper CENTRAL SECTION.	82 82 82 81 84 85 83 80 79 81	* 25 * 25 25 13 * 22 11 25 11	80 79 78 76 79 80 86 76 76 76 76	12 11 * 12 11 14 12 13 18 12	90 97 89 87 90 88 90 86 87 86 88	* 22 22 22 22 19 18 * 24 20 24 *	90 88 89 86 89 88 91 86 86 86 86	* 23 * 24 30 30 30 * 19 5		30 30 25 30 * 30 29 30 30 *	100 95 99 96 101 98 98 97 95	12 * 14 17 16 * 29 12 19	100 97 100 98 100 100 102 100 99 93	20 21 20 18 1 20 20 16 21 *	94 92 96 94 94 94 96 95 92 89	5 4 12 5 * 30 1 * 1 *	93 90 93 93 95 95 97 90 91 88	* * * 3 1 1 3 * 4 23 · · ·	88 89 90 91 92 92 95 89 86	* 3 3 3 * 3 4 * 6 *	84 82 83 81 84 75 89 95 79 82	* * * 5 5 22 10 6 10 18	80 79 78 78 78 80 81 77 78 78	**************************************
Bartow Brooksville Ciermont Earnestville Eustis Ft. Meade Gainesville Grasmere Homeland	86 82 85 85 87 87 80 84	19 22 18 * 20 26 20	84 79 83 82 83 86 77 86	19 19 19 19 19 19 19 *	94 87 91 89 80 90 86 86	23 23 * * 24 24 24	93 94 93 94 92 93 88 92 91	23 23 24 23 23 23 24 *	98 96 99 99 98 	* 19 * * 5 31 30 30	99 97 102 100 101 96 160 101 99	* 12 * * 12 30 30 * *	100 95 102 100 101 97 100 99 99	20 1 18 20 22 21 *	91 92 97 95 96 92 95 94 9;	* 14 * 1 4 * 6 * *	94 90 95 94 95 96 93 92 94	15 * 22 * 23 18 *	89 90 88 92 90 89 90		88 83 86 84 86 82 84 85	13 10 * * * 11 * *	78 82 81 84 86 78 78 81	31 19

Kissimmee Merritt's Island Lakemont New Smyrna Ocala Orange City Orlando Plant City St. Francis Sebastian Tampa Tarpon Springs	90 82 88 82 83 84 82 86 84 83 82 83	19 20 20 * * * 25 * 20 * * 21 *	79 89 77 80 80	13 19 28 * * * 19 12 18 19 *	88 96 88 92 88 87 90 88 83 86	26 25 24 24 22 * 24 * * * * * 26	92 89 85 92 91 91 91 96 92 88 87	5	98 96 102 94 97 98 97 96 97 93 93	31 28 29 * 30 30 4 30 * *	97 95 100 94 100 98 97 99 97 92 95 92	* 19 * 19 27 * 14 11 20 28 21	96 92 100 92 101 99 98 98 98 97 88 95	1 19 20 20 20 18 18 * * * 20 21	94 91 97 90 97 96 94 95 95 95 87 93		94 90 97 90 95 98 91 94 92 89 93 92	18 11 18 * 3 23 2* 17 19 2	92 88 93 87 94 89 88 92 87 86 90 89	* 4 13 14 14 4 * 3 4 *	86 82 94 84 89 85 84 88 85 83 84 87	5 6 * 5 17 18 11 5 10	80 78 87 80 90 81 81 84 81 79 78 82	2 20 21 20 3 31 8 31 81 21
SOUTHERN SECTION. Boca Raton Jupiter Key West Lemon City Manatee Myers WESTERN SECTION.	84 83 82 85 83 89	26 23 19 * * 24	84 80 81 85 83 85	20 20 * 20 * 19	82 79 82 85 89 88	* 24 24 24 * 22	87 87 84 92 92 90	5 24 25 1	90 91 86 91 96 92	31 28 18 31 4 18	89 89 89 97 100 93	20 22 * 11 29	90 91 91 91 92 96 94	* 22 8 30 1 19	89 88 90 92 94 90		91 89 90 95 93	17 29 * 3 18	90 89 86 90 90 89	1 2 14 * * 13	83 82 84 85 87 85	11 29 11 * 5 10	83 84 81 82 81 81	* 3 2 23 20 *
Carrabelle DeFuniak Springs Haywood. Mobile Montgomery Pensacola	72	13 11 11 25 12 11	77 74 74 74	15 11 11 15 10 15	79 84 85 82 86 78	* 24 24 24 24 23 22	81 86 85 82 85 60	* 30 30 13 30 20	91 97 97 92 96 93	30 27 14 30 30 26	94 98 98 93 98 91	24 5 30 30 1 30	95 99 100 97 100 97	1 1 22 21 1 21	91 95 94 93 92	15 22 22 23 23	91 94 90 92 90	18 18 12 18	87 90 87 90 88	* * ::3 * 2	81 77 78 75	 4 5 3	76 70 74 70	30 21 21 3
Quincy Tallahassee. Wausau. St. Andrew's Bay. Stephensville. Crawfordsville Live Oak. Blountstown.					84							30 13 4	95 97 98 94	* 21 1	94 93 98 93	* 3 1	95 92 91 92 95 95	* 4 3	92 79 86 96 85	6 25 * 14 *	83 81 83 91 79	3 9 5 16 *	76 76 79 76	30 30 2

^{*} More than one date.

MONTHLY MINIMUM TEMPERATURE FOR THE YEAR 1898, WITH DATES.

	Ja	n	Fe	ь.	Mar	ch.	Ap	ril.	M	ıy.	Ju	ne.	Ju	ly.	A	ıg.	Sej	pt.	,00	et.	No	ov.	De	e.
STATIONS.	Minimum.	Date.	Minimum.	Date.																				
NORTHERN SECTION.			-		110	,	40	8	53	8	59	*	59	4	69	9	66	13	37	27	37	27	25	27
Archer	17	73	28 31	2 *	37 36	1	39	8	52	8	61	3	67	- 50	68	29	68	29	42	27	39	27	29	- 6
Federal Point	24 25	3	34	1	43	**	44	8	53	8	64	#	68	*	67	29	69	15	42	27	40	27	32	
Huntington	24	2	27	9	42	5	42	8	52	8	64	- 8	67	28	70	9	69	15	40	27	36	27	33	
Jacksonville	23	2	24	2 2	37	5	36	8	48	8	59	- 特	62	12	69	6	65	*	39	27	34	27	27	
Lake City	22	2	24	ĩ	39	4	41	#	56	8	60	8	69	*	67	11	68	20	31	27	34	27	27	1
Macclenny	32	*	22	i	36	- 4	37	7	50	7			67	*	69	11	65		37	26	33	26	28	2
Orange Park	23	2	22 26	2	37	5	39	7	53	8	59	7	60		65	14	61	17	42	W.	36	27	28 31	10
Savannah	23	2	23	2 2	37	1	42	28	48	8	65	6	63	12	69	27	64	12	39	27	31	27 26	33	1
St. Augustine	25	-	28	1	42	1	45	7	53	7	60	8	68	11	68	4	71	**	42	26	38	20	28	1
Jasper	16	3	21	2	34	5	34	8								200		**	22.5				20	
Switzerland ‡	25	#	29	2	42	ō	44	- 7	57							4.3			* *		• •		**	
CENTRAL SECTION.						0.0	- 5		-		00		no.	3	70	#	71	*	48	23	48	20	31	1:
Bartow	18	3	30	231	34	1	40	28	46	9	60	7	67 68	23	69	9	70	*	42	27	42	27	32	10
Brooksville	23	3	29	2	40	1	41	88	55	7	62	5	68	21	68	*	67	13	43	26	42	26	34	1
Clermont	26	*	34	. 1	45	1	47		52	8	63	*	69	41	70	*	70	4	44	23	43	27	32	
Carnestville	24	3	28	2	43	- 1	44	8	53 56	8	63	7	69	4	64	*	68	15	43	27	39	27	32	
Custis	25	*	28	2	41	1	41	5	45	8	60	9	67	5	67	7	69	30	45	32	44	30	29	2
Fort Meade	26	3	27	1	34	1	40	4	52	*	64	3 7	69	*	70	*	62	13	39	27	37	27	30	
Jainesville	20	- 3	26 29	2	39	5	42 44	28	47	Q	61	6	70	*	68	29	20	*	46	*	42	27	30	

Glenwood	1	1	1	P	38	631	42	71	491	71	621	2	70	6	681	29	71	41	42	27	401	27	29	12
Homeland			3.55	122	90	. "	45	- 42	523	9	65	4	71	#	71	4	71	9	49	23	51	20	27	11
	22	3	332	46	37		43	9	55	11	55	33	70	25	68	28	68	+	49	26	41	29	32	11
Kissimmee	25	.3	36	0	47	5	52	14	35	9	C6	7	70	9	64	12	71	25	52	27	48	29	40	+
	28	4		2 3	39	.,	45	25	53	40	63	- 12	631	9			69	8	50	4	48	20	32	12
Lakemont			32	9		1	45		48	8	58	314	67	1	67	21	68	4	44	27	44	27	30	7
New Smyrna	22	**	31	2	38	1		33		0		- 8	68	*	67	12	67	4	39	27	39	27	26	26
Ocala	19	3	28	7	37	2	39	8	48	0	CO	5	73	49	70	0	71	4	46	27	42	~1	28	4
Orange City	19	3	29	2	35	1	42	- 33	56		66			*	0.000	29	71		48	27	45	I	35	1
Orlando	23	50	30	1	40	1	48	8	531	11	63	- 33	70		68	23)	41	T	40	~1	40	1	0.,	1
Oxford ‡	20	73	30	¥ .											**		**	::	::	30	46	.:	30	12
Plant City	20	13	29	2	36	1	40	28	49	9	58	+	61	*	69	1	68	17	46	23	1100	T	26	12
St. Francis	18	15	29	*	33	1	36	8	41	8	54	*	64	1	65	1	65	29	44	1	40	28		
Sebastian	24	2	42	1	53	發	49	27	54	*	- 62	3	69	8	72	t	72	1	53	23	50		38	11
Tampa	27	33	31	2	46	2	48	8	58	- 8	64	7	68	11	70	4	69	2	47	23	43	27	36	27
Tarpon Springs	23	3	28	2	44	2	45	8	60	*	66	*	70	3	71	29	70	1	42	27	45	27	34	21
SOUTHERN SECTION.			1000			-		-												20		00		16
Boca Raton	33	3	41	2	49	#	50	28	50	+	66	6	70	- 1	72	+	71	7	58	23	55	30	40	1
Estero‡	24	11	34	2	43	1											**		22	1.1	23	**	::1	**
Jupiter	31	3	40	2 2	47	-1	51	28	53	S	67	. 7	69	2	71	2	72	9	55	53		30		28
Key West	46	3	54	2	60	1	65	28	69	8	70	10	72	16	69	8	69	2	64	22	67	17	55	6
Lemon City	35.0	3	40	2	50	1	52	16	52	9	65	6	70	+	69	9	72	17	59	23	55	30	40	12
Manatee	20	3	31	2	39	1	43	28	56	2	60	4	65	- +	66	2	67	3	47	17	47	30		12
Myers	28	3	37	2	42	1	51	10	50	9	61	4	68	- 3	70	9	70	8	53	23	54	1	37	12
WESTERN SECTION.				- 1					_															
Carrabelle	22	2	27	2	42	4	41	- #	48	8	70	9	66	12	73	+	67	13	43	+	221	2.5	-	
DeFuniak Springs	18	1	20	*	30	5	34	8	42	7	64	† 3	60	+	66	13	60	16	30	27	28	23	22	11
Haywood	20	*	25	2	36	5	41	*	48	7	68	3	63	13								20	* * *	**
Mobile	20	2	20	2	35	5	46	- 49	46	7	70	18	66	13	71	14	66	29	37	27	31	24	25	11
Montgomery	18	2	22	2	2123	5	334	6	43	7	67	22	61	13	70	29	60	8	34	27	26	27	20	14
Pensacola	20	2	29	3	28	5	44	7	44	7	69	18	65	13	71	26	69	27	39	27	32	23	26	11
Quincy	23	31		2000000		10000																		
guiney	201										Man	I ma co c	m ren	ding		o.m	des	the	rm.	me	ter.			

^{*} More than one date.

⁺More than one date.

[#] Maximum readings from dry thermometer.

MONTHLY MINIMUM TEMPERATURES FOR THE YEAR 1898, WITH DATES .-- Continued.

	Ja	n.	Fe	ь.	Mai	rch.	Ap	ril.	M	ıy.	Ju	ne.	Ju	ly.	At	ıg.	Sej	pt.	Oc	t.	No	v.	De
STATIONE.	Min:mum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.
Tallahassee	22 17 	2 3	26 21 27	2 4 4		. 5 5 		8 8 		777	63 67 66	9	63 63 70 64 	12 14 11 13 	69 75	† 44 † 7 	62 74 65 52 65	8 16 21	44 36 30	31 27 27	30 44 33 32	27 27	25 27 21

+More than one date.

MONTHLY AND ANNUAL MEAN PRECIPITATION FOR THE

	Janu	aary.	Febr	ruary.	Ma	rch.	Λp	ril.	M	ay.	Ju	ine.
STATIONS,	Precipitation	Departure.	Precupitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure,
NORTHE'N SEC.		1										
Archer Federal Point Huntington Jacksonville Jasper Lake City Lake Butler Macclenny Orange Park. Savannah. St. Augustine Switzerland	0.83 0.91 0.43 0.51 0.54 0.54 0.95 0.38 0.38	-2.84 -3.89 -2.91 -2.42	1.09 1.34 2.10 1.35 4.04 4.78 3.12 2.18 .56	-1.03 -0.00 -2.52 -2.99	1.30 0.94 2.04 2.51 1.60 1.48 1.49 2.03 1.93 0.90	-1.39 -3.99 	7.45 1.33 2.45 1.85 1.94 1.52 1.74 3.17 2.46 4.20	-0.42 -2.19 	1.17 6.16 1.81 1.47 1.55 1.86 1.57 1.01 3.55	-2.19 -2.62 	3.04 2.25 2.13 2.42 3.90 5.57 1.35 4.58	-3.32 -4.18
CENTRAL SEC.				= 1								
Bartow Brooksville Clermont Earnestville Eustis Fort Meade Gainesville Grasmere Glenwood Homeland Kissimmee Merritt's Isl'd Lakemont New Smyrna Ocala	. 0 61 . 0 30 . 0 48 . 1 08 . 0 42 . 1 07 0 26 	-1.31 -1.26 -2.88 -2.81 -2.88 -1.39	1.97 0.81 1.18 1.43 0.57 3.49 1.13 1.12 1.22 0.14 1.52	3 -0.55 -1.34 +0.99 2 -2.31 -1.42	0.15 0.99 0.47 0.64 1 60 0.83 0.41 0.00 0.68 1.82 1.70	-2.15 -0.80 -2.77 -1.44 -1.78	0.34 0.49 0.65 0.47 0.57 2.85 0.51 0.12 0.51 0.58 1.19	-1.30 -1.01 +1 20 -2.43 -3.08	0.68 1 29 1.75 1.92 0.73 2.06 1.39 0.35 0.73 0.69 1.17	-2.89 -2.96	4.74 2.53 9.07 5.94 8.64 3.28 2.62 5.75 0.64 0.84 2.55	+0.31 -2.59
Orange City Orlando Oxford Plant City St. Francis Sebastian Tampa Tarpon Spr'gs SOUTHERN SEC.	. 0 98 . 0 64 . 1 00 . 0 58 . 0 71 . 0 02 0 42 s 0 18	-0.81	1.96 1.26 0.96 0.47 1.07 1.09 1.51	+0.32 +0.15	0.61 0.54 0.52 1.19 1.50 0.08	-1.95 -1.21 	0.65 0.15 0.32 1.70 1.45 0.16	-1.65 -1.35 	0.41 1.19 0.72 1.60 1.11 0.37	-2.45 -2.57	5.18 1.13 3.08 3.57 1.05 5.96	+0.25 -6.91
Boca Raton Jupiter Key West	0.34 0.36 0.34	-3.11 -1.75	1.82 0.97 0.21	-1.72 -1.41	2.71 3.20 0.70	+0.80 - 0.49	1.80 1.90 0.61	-1.04 -0.60	2.46 1.15 3.26	-4.43 +0.10	0.28 0.12 2.44	_5.97 _1.56

YEAR 1898, WITH DEPARTURES FROM THE NORMAL.

Ju	ly.	Aug	ust.	Septe	mber	Octo	ber.	Nove	mber	Dece	mber	An	nual.
Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.
13.01 5.44 12.03 11.96 10.04 15.79 7.95 8.53 9.00	+5,55 +4,56 +2,59 +3,03	10.59 10.79 5.44 9.05 19.20 7.43 18.01 22.79 6.10	-0.99 +2.40 *14.97 +1.07	2.31 2.93 3.46 4.04 2.00 3.65 4.56 5.06 3.16	-3.25 -0.90 -4.29	4.82 6.25 6.74 8.03 5.50 3.51 3.24 4.46 3.85	+1.60 +5.41 +0.79 -0.23	2.21 2.43 2.34 0.34 0.83 1.87 0.65 0.65 21.60	-0.65 -1.79 	3.15 2.53 4.77 5.52 5.52 4.93 5.23 3.74 2.16 3.82	+1.76 +1.48 +1.48 +1.11 +1.36	50.97 43.30 45.71 53.15 60.68 51.72 48.83 60.18 38.51	—7.95
7.44 6.85 10.16 7.82 12.71 5.35 7.90 6.12 12.32 4.61 12.66 4.61 7.31 8.95	+5.95 +0.29 -6 06 -1.24 pl0 36 -1.24 pl8 02 -9 49 pl2.18	13.48 20.16 10.95 9.68 18.21 12.20 11.41 8.69 8.73 11.10 11.80 10.93 10.93	+4.81 +3.00 +0.67 pl3.65 pl2.95 pl7.71 pl6.62 pl5.43 pl3.26	2.01 3.38 7.18 9.8.30 7.3 47 3.61 3.61 4.52 6.3 97 6.49 1.10 2.4 31 3.4 05 3.45 5.97	-1.79 +0.24 -3 06 -4.67 -4 39 -4.32 -8 47 -4 45 -4.05	5.27 6.05 4.54 3.87 6.27 8.33 5.17 5.69 3.01 8.39 7.67 7.98 5.55	-1.11 +0.83 +4.38 -0.27 pl0.23 pl2.31 pl4.73 pl2.96 -0.58	1.30 1,20 1,77 22.09 3.2.93 1.82 	-0.10 +0.86 +0.21 -2.73 -9.01 -3.68 -0.34 -0.05 -1.85	3.75 4.64 2.38 1.97 3.31 3.73 3.02 3.46 2.04 4.19 2.54 3.68	-0.50 -0 22 pl1 30 pl0.28 pl1 07 pl2 18 pl0 33 pl2 19	39.66 55.88 48.46 46.26 50.48 42.06 40.47 33.44 38.66 38.87 54.83 41.48 36.90 47.31	+4.2 +0.9 pl3 3 -11 2 -19.6 -5.7 pl3 6 -1 0
2.91 8.29 12.77	pl0.35 pl0.09	5.34 17.83 16.05	pl8.37	7.67 6.57 13 12	-6.15 pl3.87	7.13 4.5t 4.5;	ol1.21 ol1.53	1 55 1 96 2 1 07	0.02 1.30	6.58 2.87 5.15	p 0.52 pl1.36	37.40 50.53 61.20	-4.4 -9 0

MONTHLY AND ANNUAL MEAN PRECIPITATION FOR THE

	Jan	uary.	Febr	uary.	Ma	rch	Ap	oril.	M	ay.	Ju	ne.
STATIONS.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Depirture.	Precipitation	Departure.
Lemon City Manatee Myers	0 15	-2.65	0.81	-2.15	0.37	-2.64	0.25	-1.31	2.08	-5.37 -1.85 pl0,62	5.35	-6.35 -2.94 -9.19
WESTERN SEC. Carrabelle Crawfordville	1.90										Т.	
DeFuni'k Sp's Haywood Live Oak	2.00 1 16		5.47 3 50		2.44		3.52		2.58	• · · · ·	3.67 3.11	
Mobile Montgomery Pensacola	$\frac{1}{1} \frac{52}{75}$	-3.85 -2.93	2.33	-3.01	2.05	-4.42	4.31	0.49	0.50	3.53 3.55 3.29	1.41	-0.98 -3.15 -2.55
Quincy Tallahassee Wausau St And'ws B'y Stephensville	1 13 1.15	-3.00	5.15 5.52		2.59 1.82		$\frac{2.88}{0.76}$		$0.80 \\ 1.50$	-2.65	5.00 2.81	—1.25

pl. means plus. *Plus departure.

YEAR 1898, WITH DEPARTURES FROM THE NORMAL-Continued.

Ju	ly.	Aug	gust.	Septe	mber	Oct	ober.	Nove	mber	Dece	mber	An	nual
Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitation	Departure.	Precipitat on	Departure.	Precipitation	Departure.
13.93	pl3.37	18.48	*10.64	10.37		3.98	pl1.32	0 87	-0.92	1.89	-0.25	58.53	-19.13 pl3 07 -10 94
3.10 9.83 6.42		19.90 20.56 22.98 11.12		6.70		9.73 3 20 3.13		4.84 7.53 5.10		5.54 4.52 9,40		69.89	
5.26 4.84	-1.13 pl0.98 -1.82	7.92 18 58	pl5.19 pl3.81 *10 22	16.40 1.13 17 93	*10.87 -1.50 *12.74	3 30 2.54 4 74	-0.03 pl0.29 pl1.41	6.73	pl3.37 pl3.74 pl2 79	3.69 4 05	-0.69 pl0 30	39.75 72.20	pl3 50 -12 47 *15 .11
4.23 6.07 21 90		20.68 31.06		5.03	-2.65 	3.81		6.21	p11.01	8.70 11.80			pl0.55

pl. means plus.

^{*}Plus departure.

VOLUNTEER OBSERVERS.

Archer	Station.	Observer.
Bartow Blountstown Blountstown Boca Raton T M Rickards. Brooksville Carrabelle Carrabelle Clermont W M Kern. Crawfordville DeFuniak Springs J T Stubbs. Earnestville Einderstville Einde	Archer	W C Andruss.
Blountstown Boca Raton Carrabelle Brooksville F L Robertson Carrabelle Clermont Clermont Crawfordville DeFuniak Springs J T Stubbs. Earnestville Estero O F L'Amoreaux Eustis H W O Margary Federal Point Fort Meade Gainesville Garasmere Haywood D L Burke. Haywood D L Burke. Homeland F H Farrall Huntington B N Bradt. Jaker Jasper W A Cate. Jupiter U S Weather Bureau. Key Wcst Kissimmee J A Simpson. Lake Butler Lake City Luve Oak C J Hildreth, Jr. Lemon City Lakemont H L Reed. Manatee Merritts' Island Ocala W L Jewett Orange Park Mose. Crange Park Mose. Crange Park Merritts' Wiley Stinson Werritts' Wiley Stinson Werritts' Wiley Stinson Werritts' Wiley Stinson Stincon Stincon Stincon Stitching Stitching Stitching Stitching Stitching Switzerland W C Steele		
Boca Raton. T M Rickards. Brooksville. F L Robertson. Carrabelle. A P Pennell. Clemont. W M Kern. J H Hunt. DeFuniak Springs. J T Stubbs. Earnestville. I B Dobell. Estero. O F L'Amoreaux. H W O Margary. Egatero. U F L'Amoreaux. H W O Margary. Epderal Point. Chas Ingalls. Fort Meade. James Thompson. Jas Bell. Grassmere. J B Escott. D L Burke. Homeland. F H Farrall. Huntington. B N Bradt. JACKSONVILLE. SECTION CENTER. Jasper. W A Cate. Jupiter. U S Weather Bureau. Key West. Kissim mee. J A Simpson. Lake Butler. B F Johnson. Lake Butler. B F Johnson. Lake Gity. W B Knight. Live Oak. C J Hildreth, Jr. Lemon City. E L White. Lakemont. F W Porter. Macclenny. H L Reed. C V S Wilson. Merritts' Island. Rev James White. Myers. M M Gardner. Mobile. U S Weather Bureau. W L Jewett. Orange City. S M Morse. E R Latham. Orlando. E A Richards. Oxford. W A Sparkman. Pensacola. U S Weather Bureau. Plant City. Wilson. W A Sparkman. Pensacola. U S Weather Bureau. Plant City. Wilson. Sitchens. S M Morse. E R Latham. Orlando. E A Richards. Oxford. W A Sparkman. Pensacola. U S Weather Bureau. Plant City. Wilson. Sebatian. S Kitching. Stephensvill. M F King. Switzerland. W C Steele.		
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Huntington		
Jacksonville. Jasper W A Cate. Jupiter U S Weather Bureau. Key Wcst. Kissimmee J A Simpson. Lake Butler B F Johnson. Lake City. W B Knight. Live Oak. C J Hildreth, Jr. Lemon City. E L White. Lakemont F W Porter. Macclenny H L Reed. Manatee C V S Wilson. Merritts' Island Rev James White. Myers. MM Gardner. Mobile U S Weather Bureau. Montgomery New Smyrna C Westall. Oak Hill E S Coutant. Ocala. W L Jewett. Orange City. S M Morse. Orange Park E R Latham. Orlando. E A Richards. Oxford. W A Sparkman. Pensacola. U S Weather Bureau. Plant City. Wiley Stinson. Quincy Wm Corry. Savannah US Weather Bureau. St. Andrews' Bay W A Emmons. St. Andrews' Bay W A Emmons. St. Francis J C Peyton. Sebastian S Kitching. Switzerland W C Steele.		
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VOLUNTEER OBSERVERS-Continued.

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Immigration.

Since my last report on this subject much history has been made, and no little written which has had considerable effect on the movement of that class of people from among whom the larger number of new settlers in all countries are usually obtained, and large numbers of persons have changed their residence who had never before seriously given thought to the subject. The stirring events of the year just passed has apparently revolutionized feeling, sentiment and ideas of the people of other sections of the country concerning conditions, opportunities and possibilities of the South, and Florida in particular: for although the immediate effect of the war with Spain was to lessen the number of enquiries concerning immigration to Florida, and which continued for only about four months, the large number of persons composing the army located in the State, mainly volunteers, with thousands of their relatives and friends, many of whom took advantage of the opportunity to study for themselves conditions of which they could only heretofore learn second handed, gave an impetus to the demand for information, which has steadily increased until the number of enquiries has about reached the point it had attained when the great freeze of 1895 came upon the State. It is strictly within the bounds of truth to state that there is to-day a greater demand for information about Florida's resources and the possibilities for the investment of capital by both home-seekers and capitalists than for ten years past. It has been suggested that the increased value of the principal farm products in the west would serve to check the tide of immigration setting southward, but as yet it appears to have had no perceptible effect in that way, but has apparently rather stimulated the efforts of a great many who realize the opportunity it gives them to make a long desired move; the higher price obtained for their wheat has enabled them to change without sacrifice, and to obtain better value for their homes and lands they leave behind them; many come by force of health conditions, many from choice, and all because of a desire to better their condition, and at the same time find homes in a more congenial The marvellous rapidity and apparent ease with which the orange and other branches of the fruit industry have recovered from the effects of the great freeze, has also stimulated immigration towards the fruit and truck growing section of the State, while the wonderful possibilities

of the unusually profitable business of stock raising for both the northwestern and West Indian markets has induced large numbers of persons to begin anew that much neglected industry in the northern and western sections of the State. In January and March of 1898, the Internal Improvement Board, through its generosity and appreciation of the good to be derived from advertising in an attractive manner the advantages and resources of the State, purchased for the use . of this Bureau in the interest of immigration three thousand five hundred copies each of two editions of the Times Union and Citizen; the publication, represented all sections of the State, and has been of great service to the Bureau in the distribution of valuable statistical, discriptive and historical information, and is well worth the price paid for the seven thousand papers, which was one thousand dollars. In addition to the above, the immigration material distributed by the Bureau consisted of official reports of the Department of Agriculture, the Lake City Experiment Station and county pamphlets descriptive of the counties at large in many cases. and in others of special features of industry worthy of special attention; yet with the publications referred to, the Bureau is short of material in certain lines that are positively necessary to a thorough answer to all inquiries; to this end, there is but one really effective way to supply the deficiency, and that way is by the publication of a complete hand book of detailed information; the time has passed when people bought property at long distances on vague information just for chance, nor can they longer be induced to break up a home, and risk founding a new one in a new land, without the best assurances and proofs that the representations made are truthful; the man who has money to invest in industrial enterprises will not risk his capital 'till assured that it will be both profitable and safe. People of the character above referred to want facts, they want them authoritative, and they should have them; fortunately the Bureau is as a rule able to furnish at least to a limited extent satisfactory explanation, by means of the statistics of various kinds gathered by the Department of Agriculture; but such a work as the one referred to would facilitate matters much and add vastly to the fullness of the information. Since my last report, the Bureau has replied in various ways to upwards of fifteen thousand inquiries, from every section of the United States, and from almost every nationality on the globe; perhaps as many as three thousand came from Canada alone, mostly in the section of country adjacent to Toronto, where it is only just to say that quite a lively interest in Florida was created by Col. W. S. Webb's

car, "Florida on Wheels," a year ago; quite a number who saw the car afterward came to Florida, and while in this officementioned it in very complimentary terms. From the best information obtainable, after a thorough and careful canvassof the subject, we estimate that the increase in population during the past two years has brought the number up to at least five hundred and twenty thousand (520,000). Quite a large number of communications have been received from people who have formed themselves into mutual association for colonization purposes, with the object of keeping together and having their own community of neighbors and friends; such a policy has been encouraged as far as possible by the Bureau, and should be pursued by all persons having property to offer for sale to immigrants; it prevents homesickness on the part of the females of the families, 'till they become accustomed to the new situation, and form new friends; for it is a well-known fact that the discontent and unhappiness on the part of the feminine portions of the families, on account of the apparent loneliness of their situation, does more than all else combined to create dissatisfaction and break up new homes: therefore the Commissioner in his correspondence with the societies referred to has made a special point of urging upon them the great advantage to be gained by settling in communities of their own, particularly in the sparsely settled sections of the State, and also in those sections where there is a largepopulation of negroes.

In view of the new conditions that are presenting themselves rapidly to the world, I feel that it is only proper to again refer to the necessity of a Geological Bureau for the State. Now is the time, if ever anything is to be done, to bring to the light of day our mineral resources, slumbering by reason of a system of false economy and a lack of a spirit of enterprise sufficient to arouse interest in the development of these resources. We know that our State is rich in minerals, but they might just as well not exist as to lie useless in their places. We should have factories by the score; we have the material to support them within our own borders, and under the new order of things we have become the gateway of the nation through which millions in trade will flow to the West Indies and Central and South America. The construction of the Nicaragua Canal, which now seems assured, should make Florida the base for hundreds of profitable manufacturing enterprises of all kinds. Our proximity to these markets, and the saving in freight charges from far interior points, by rail, or long distance transportation by water, makes this in the very nature of things the best and most available locality for the establishment of such industrial enterprises; from Pensacola along the Guli Coast to Key West, and along the Atlantic to Fernandina, there are scores of available situations for the establishment of manufacturing enterprises of all sorts, with water enough to float all the vessels of great or ordinary draft, required to supply the entire West Indies and the Continent South of us with our products; these are not theories, but facts, patent to every observer, and they offer the strongest inducements for profitable investment of capital and the employment of labor at remunerative wages; it can be but a question of short time when the opportunities offered will be taken up by progressive and enterprising people who have the foresight and good judgment to realize what the future has in store for Florida.

I again suggest the publishing in pamphlet form of a properly classified list of all the trees and shrubs, and other plants belonging to the flora of Florida, with the purposes for which they are used; if this information was placed before the people hundreds would find lucrative employment in the cultivation and preparation for market of large quantities of herbs that are in constant demand all over the world, for various purposes; large numbers of these being indigenous to this State, they can be grown here to greater advantage than elsewhere. It would be a small sum well spent; most of the Southern States

have already done this.

In concluding this report, we say candidly, that if the Commissioner was better provided with descriptive printed matter by all of the counties, and in larger quantities and of a higher class by those that do furnish it, greater good would come of it, and more of the people who get such literature would be influenced in making permanent homes in Florida. But for the great assistance we have received from all those who are interested in our State's welfare, and we count them by the score, we tender our sincerest thanks, and to the newspapers of the State who battle unceasingly for Florida's benefit, to the Boards of County Commissioners, Boards of Trade, and patriotic individuals who have given generously of their time in the cause of immigration, we extend our cordial acknowledgments, and to the Board of Internal Improvement, for its generosity in supplying much needed literature, we extend our thanks in behalf of the people of the State. To Your Excellency, for your warm hearted friendship and your valuable assistance and advice concerning the business of the department, I tender you in the highest sense my grateful appreciation and thanks. Very respectfully,

L. B. WOMBWELL,

Commissioner of Agriculture.